# **Englist.me**

### Vocabulary Builder Reference from...

James Gillies: Dark matter: The matter we can't see |

TED Talk

https://www.ted.com/talks/james\_gillies\_dark\_matter\_

the\_matter\_we\_can\_t\_see



### All Words

#### **IMPORTANT**

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### **Session 1: Word List**

#### ancient

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

synonym: archaic, age-old, obsolete

(1) pre-Christian ancient, (2) ancient stories

They have been living near water since **ancient** times.

#### universe

 everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym: cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe** The **universe** is about 13.8 billion years old.

#### simplicity

 the quality or condition of being natural and plain or easy to understand or do

synonym: easiness, plainness, modesty

(1) a life of simplicity, (2) refined simplicity

He liked the car because of the **simplicity** of the design.

### elegance

 the quality of being graceful and stylish in appearance or manner

synonym: grace, refinement, poise

(1) austere **elegance**, (2) natural **elegance**The **elegance** of her dress was breathtaking.

#### combine

- v. to join or merge to form a single thing or group synonym: coalesce, cohere, blend
- (1) **combine** chemically with another substance,
- (2) combine augmented reality

Hydrogen and oxygen **combine** to form water.

### diversity

 the quality or fact of many different types of things or people being included in something; a range of different things or people

synonym: variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity** He was impressed by the range and **diversity** of the collection.

### predict

- v. to state beforehand that something will happen in the future, mainly based on knowledge or experiencesynonym: forecast, anticipate, foresee
- (1) **predict** the future, (2) **predict** when she will arrive It's notoriously challenging to **predict** birth rates.

#### basis

 the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym: foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation This evidence will form the **basis** for our discussion.

### experimental

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

synonym: empirical, exploratory, observed

experimental data, (2) experimental design
 The product is still in the experimental stage.

#### indivisible

adj. unable to be divided or separated; not subject to alteration or change

synonym: undividable, inseparable

(1) indivisible identity, (2) indivisible parts

Liberty and justice for all are **indivisible** concepts.

#### atom

 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.

#### elegant

adj. pleasing and graceful in appearance or manner, or showing good taste and refinement

synonym: refined, sophisticated, graceful

(1) elegant design, (2) write elegant sentences

She wore an **elegant** evening gown to the gala.

### advantage

 a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

### experiment

 the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

experiment design, (2) series of experiments
 experiments showed highly positive results.

### hydrogen

 the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form

#### water

(1) hydrogen gas, (2) heavy hydrogenThe hydrogen and the oxygen react and then form water.

#### carbon

- a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
- carbon dioxide, (2) carbon emission
   Trees absorb carbon dioxide and give off oxygen.

#### recognizable

adj. easy to become aware of or identify synonym: noticeable, perceptible, definite

(1) to a **recognizable** degree, (2) **recognizable** landmark His car was easily **recognizable** in the parking lot.

#### divisible

adj. able to be divided into parts, usually with nothing left over

synonym: separable, splittable, partitionable

(1) a **divisible** number, (2) exactly **divisible**The class was divided into groups of four, with each group being **divisible** by two.

#### ordinary

adj. not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degreesynonym: mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue The **ordinary** session of the Diet opened.

#### physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**Einstein was an outstanding and famous **physicist** of the 20th century.

### simplistic

adj. oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple

#### terms

synonym: basic, uncomplicated, elementary

(1) **simplistic** approach, (2) **simplistic** design The politician's solution to the problem was too **simplistic** to solve the underlying issue.

#### profound

- adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension synonym: deep, unsounded, far-reaching
- (1) a **profound** book, (2) the **profound** depths of the sea My mother's illness had a **profound** impact on us all.

#### visible

- adj. capable of being seen; or open to easy view *synonym*: clear, observable, seeable
- (1) **visible** stars, (2) **visible** by X-ray My home is easily **visible** from the shore.

#### bounce

to cause to move up or away after hitting a surface; to spring back

synonym: bound, leap, spring

(1) **bounce** across the floor, (2) **bounce** back from failure They will **bounce** between various emotional states.

### galaxy

- an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity synonym: star cluster, nebula, star system
- (1) elliptic galaxy, (2) a galaxy of famous actors

The Milky Way **galaxy** has numerous water-bearing planets.

#### spiral

- a curve that coils around a central point and gets progressively farther away from it as it goes around synonym: coil, helix, twist
- (1) **spiral** staircase, (2) **spiral** design The leaves of the fern were arranged in a **spiral** pattern.

#### spinning

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

synonym: whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her

cardiovascular fitness.

#### grace

 a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal

synonym: charm, poise, elegance

(1) say a grace, (2) end of the grace period

The old oak tree stood with **grace** and majesty in the park's center.

### weigh

v. to have a particular weight; to carefully evaluate things before making a conclusion

*synonym*: consider, cogitate, count

(1) **weigh** heavily on stock prices, (2) **weigh** a cargo The baby **weighs** 1 pound 3 oz.

#### individual

- n. a single person or thing, as distinct from a groupsynonym: person, being, self
- (1) a private **individual**, (2) **individual** freedom
  As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

#### confirm

v. to support or establish the truth or certainty of something previously believed or suspected to be the case

synonym: affirm, verify, assure

(1) **confirm** the diagnosis, (2) **confirm** a transaction Please write to **confirm** your reservation.

#### puzzling

adj. confusing or difficult to understand; mysterious synonym: baffling, confusing, enigmatic

(1) **puzzling** behavior, (2) **puzzling** questions

The detective found the clues **puzzling** and couldn't solve the case immediately.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym: heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**The astronaut felt weightless in space due to the absence of **gravity**.

cosmic

adj. relating to the universe or cosmos; vast or limitless synonym: astronomical, celestial, outer-space

(1) second **cosmic** velocity, (2) **cosmic** background radiation

**Cosmic** rays are high-energy particles that originate from outside the solar system.

microwave

n. a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly

synonym: oven, waveguide, radar range

- (1) **microwave** radiation, (2) **microwave** popcorn

  I heated my leftover food in the **microwave** oven, which tasted just as good as freshly cooked.
- background
- n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem 
   synonym: ground, experience, backdrop
- (1) a **background** color, (2) a criminal **background**The company's hiring criteria emphasize personality, not a person's **background**.

#### afterglow

n. a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view

synonym: glow, sunset, twilight

(1) concert afterglow, (2) romantic afterglow

The **afterglow** of the sunset was a beautiful end to a long day.

#### bang

v. to hit or cause to hit something in a way that makes a loud noise

synonym: crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down My father tried to **bang** mathematics into my head since childhood.

heaven

n. (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

synonym: paradise, nirvana, utopia

(1) ascend to **heaven**, (2) **heaven** on earth

He felt like **heaven** when he tasted the delicious chocolate cake.

#### revolve

v. to rotate around a central point

*synonym*: rotate, spin, orbit

(1) **revolve** at high speed, (2) **revolve** around a central axis. The Earth **revolves** around the Sun in an elliptical orbit.

#### resident

 a person who lives in a particular place or has their home in a place

synonym: dweller, inhabitant, inhabitant

(1) a **resident** of the city, (2) **resident** tax

Visa renewal for **resident** foreigners in this country is once every five years.

#### planet

 any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) planet like the Earth, (2) save the planet

Mercury is the closest **planet** to the sun.

#### orbit

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

synonym: path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit** 

The rocket engine is used to put the satellite into **orbit**.

### discovery

 the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important discovery.

#### fraction

 a small part or item forming a piece of a whole; the quotient of two rational numbers

synonym: piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction** 

He spent only a **fraction** of his earnings.

#### dense

adj. containing a large number of people or something with little space between them

synonym: heavy, thick, idiotic

(1) nutrient- dense foods, (2) dense forests

The entire mountain is covered in **dense** rainforest.

#### expansion

*n.* the process of becoming larger or more extensive, or the result of this process

synonym: growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project
The company is undergoing an **expansion**, opening new locations in several states.

#### accelerate

v. to make something faster or earlier; to cause to develop or progress more quickly

synonym: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car The government tried to **accelerate** the commercialization of this development.

#### acceleration

 a rate of increase in velocity; the rate of change of velocity with respect to time

synonym: speed up, quicken, hastening

(1) a unit of **acceleration**, (2) **acceleration** of an object The car's **acceleration** was impressive, going from 0 to 60 mph in just 5 seconds.

#### symmetry

 balance or proportion in design or structure, with elements arranged evenly on either side of an axis

synonym: balance, proportion, harmoniousness

(1) bilateral **symmetry**, (2) axial **symmetry**The building had a **symmetry** pattern that was pleasing to the eye.

### particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

*synonym*: atom, grain, bit

(1) charged particle, (2) particle energy

We can calculate the position of the particles statistically.

### speculate

v. to form a theory or conjecture or guess about a subject without solid evidence

synonym: assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

#### stem

n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

*synonym*: branch, limb, (verb) come from

(1) **stem** from a belief, (2) the **stem** of a matchstick A rose has thorns on its **stem**.

#### vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym: oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger During the flight, the wings of the plane **vibrate**.

string

*n.* long, thin material used for tying things together, composed of several twisted threads

synonym: line, wire, rope

(1) retie the **string** and make it strong, (2) tense piano **strings** 

She wore a **string** of pearls around her neck.

#### harmonic

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

synonym: melodic, balanced, harmonious

(1) **harmonic** oscillator, (2) a natural **harmonic** quality The violin's sound was so pure and **harmonic** that it gave me chills.

### unfortunately

adv. by bad luck; unluckily

synonym: regrettably, unluckily, alas

(1) unfortunately caught in a shower, (2) even more

#### unfortunately

The treatments were done but, **unfortunately**, were unsuccessful.

stake

 a share or financial investment in something such as a business; a wooden or metal post set up to mark something

synonym: share, interest, post

(1) execution by burning at a **stake**, (2) buy the company's **stake** 

The **stake** of the company is too high nowadays.

marvel

n. someone something that causes feelings of wonder or surprise

*synonym*: wonder, phenomenon, amazement

a marvel of beauty, (2) technical marvel
 The space shuttle is a modern engineering marvel.

grasp

- v. to take hold of something or someone quickly and firmly synonym: grab, clasp, grip
- (1) **grasp** his hand, (2) **grasp** a chance They spent a lot of time trying to **grasp** the current situation.

explode

 to burst or break open violently and noisily; to cause something to burst or break open

synonym: detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity The old building **exploded** in a fiery inferno.

## **Session 2: Spelling**

1. sp\_\_\_ng wheel

2. elliptic ga y

neutral hydrogen a\_\_ms

4. an or\_\_\_\_ry school

5. lingual di\_\_\_\_ty

6. bo e across the floor

7. take ad ge of his weak points

8. a ma\_\_\_l of beauty

9. theoretical ph\_\_\_\_st

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

an independent group of stars,
 interstellar gas, dark matter, etc., in the universe, bound together by gravity

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

adj. not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

 n. the quality or fact of many different types of things or people being included in something; a range of different things or people

v. to cause to move up or away after hitting a surface; to spring back

 a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

*n.* someone something that causes feelings of wonder or surprise

n. a scientist who specializes in the field of physics

ANSWERS: 1. spinning, 2. galaxy, 3. atom, 4. ordinary, 5. diversity, 6. bounce, 7. advantage, 8. marvel, 9. physicist

10. haic oscillator	adj.	relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
11. a scientific diry	n.	the act or process of finding information, a place, or an object, or learning about something that was previously not known
12. dee forests	adj.	containing a large number of people or something with little space between them
13. bas for calculation	n.	the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
14. vie by X-ray	adj.	capable of being seen; or open to easy view
15. heavy hyen	n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
16. com the diagnosis	v.	to support or establish the truth or certainty of something previously believed or suspected to be the case
17. prt when she will arrive	v.	to state beforehand that something will happen in the future, mainly based on knowledge or experience
18. spng machine	n.	the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

ANSWERS: 10. harmonic, 11. discovery, 12. dense, 13. basis, 14. visible, 15. hydrogen, 16. confirm, 17. predict, 18. spinning

19.	rent tax	n.	a person who lives in a particular place or has their home in a place
20.	unfely caught in a shower	adv.	by bad luck; unluckily
21.	a bacnd color	n.	the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
22.	the prnd depths of the sea	adj.	extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
23.	elt design	adj.	pleasing and graceful in appearance or manner, or showing good taste and refinement
24.	save the plt	n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
25.	oxygen am	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
26.	expnt design	n.	the scientific test conducted to observe what happens and gain new knowledge
27.	a criminal bacnd	n.	the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 19. resident, 20. unfortunately, 21. background, 22. profound, 23. elegant, 24. planet, 25. atom, 26. experiment, 27. background

28.	industrial exon	n.	the process of becoming larger or more extensive, or the result of this process
29.	gr_p a chance	<i>v</i> .	to take hold of something or someone quickly and firmly
30.	hyen gas	n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
31.	the sm of a matchstick	n.	the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
32.	spI staircase	n.	a curve that coils around a central point and gets progressively farther away from it as it goes around
33.	write elt sentences	adj.	pleasing and graceful in appearance or manner, or showing good taste and refinement
34.	accion of an object	n.	a rate of increase in velocity; the rate of change of velocity with respect to time
35.	austere elce	n.	the quality of being graceful and stylish in appearance or manner
36.	theory of the unse	n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
37.	plt like the Earth	n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 28. expansion, 29. grasp, 30. hydrogen, 31. stem, 32. spiral, 33. elegant, 34. acceleration, 35. elegance, 36. universe, 37. planet

38.	the dity policy of the university	n.	the quality or fact of many different types of things or people being included in something; a range of different things or people
39.	buy the company's ste	n.	a share or financial investment in something such as a business; a wooden or metal post set up to mark something
40.	retie the stg and make it strong	n.	long, thin material used for tying things together, composed of several twisted threads
41.	charged pale	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
42.	score an adge	n.	a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
43.	concert afow	n.	a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view
44.	bilateral syry	n.	balance or proportion in design or structure, with elements arranged evenly on either side of an axis
45.	vie at a regular frequency	v.	to move or cause anything to move fast and in small increments from side to side

ANSWERS: 38. diversity, 39. stake, 40. string, 41. particle, 42. advantage, 43. afterglow, 44. symmetry, 45. vibrate

46.	the ort of the moon	n.	the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
47.	ree at high speed	ν.	to rotate around a central point
48.	execution by burning at a ste	n.	a share or financial investment in something such as a business; a wooden or metal post set up to mark something
49.	axial syry	n.	balance or proportion in design or structure, with elements arranged evenly on either side of an axis
50.	second coc velocity	adj.	relating to the universe or cosmos; vast or limitless
51.	simic approach	adj.	oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
52.	accte a chemical reaction	v.	to make something faster or earlier; to cause to develop or progress more quickly
53.	expansion of the unse	n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 46. orbit, 47. revolve, 48. stake, 49. symmetry, 50. cosmic, 51. simplistic, 52. accelerate, 53. universe

54.	indle parts	adj.	unable to be divided or separated; not subject to alteration or change
55.	bg his fist on a desk	<i>v</i> .	to hit or cause to hit something in a way that makes a loud noise
56.	coe chemically with another substance	ν.	to join or merge to form a single thing or group
57.	exactly dile	adj.	able to be divided into parts, usually with nothing left over
58.	on an equal bas	n.	the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
59.	natural elce	n.	the quality of being graceful and stylish in appearance or manner
60.	a natural haic quality	adj.	relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
61.	can emission	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
62.	exe in anger	<i>v</i> .	to burst or break open violently and noisily; to cause something to burst or break open
63.	romantic afow	n.	a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view

ANSWERS: 54. indivisible, 55. bang, 56. combine, 57. divisible, 58. basis, 59. elegance, 60. harmonic, 61. carbon, 62. explode, 63. afterglow

64.	spI design	n.	a curve that coils around a central point and gets progressively farther away from it as it goes around
65.	spte about the reason	<i>v</i> .	to form a theory or conjecture or guess about a subject without solid evidence
66.	technical mal	n.	someone something that causes feelings of wonder or surprise
67.	vie with anger	v.	to move or cause anything to move fast and in small increments from side to side
68.	coe augmented reality	<i>v</i> .	to join or merge to form a single thing or group
69.	series of expnts	n.	the scientific test conducted to observe what happens and gain new knowledge
70.	a dile number	adj.	able to be divided into parts, usually with nothing left over
71.	exon project	n.	the process of becoming larger or more extensive, or the result of this process
72.	a fronal share of the vote	n.	a small part or item forming a piece of a whole; the quotient of two rational numbers
73.	s_m from a belief	n.	the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
74.	the attraction of gry	n.	the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

ANSWERS: 64. spiral, 65. speculate, 66. marvel, 67. vibrate, 68. combine, 69. experiment, 70. divisible, 71. expansion, 72. fraction, 73. stem, 74. gravity

75.	b_g a phone down	<i>v</i> .	to hit or cause to hit something in a way that makes a loud noise
76.	orry annual revenue	adj.	not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
77.	simic design	adj.	oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
78.	exptal design	adj.	relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
79.	indle identity	adj.	unable to be divided or separated; not subject to alteration or change
80.	recble landmark	adj.	easy to become aware of or identify
81.	accte the car	<i>v</i> .	to make something faster or earlier; to cause to develop or progress more quickly
82.	exptal data	adj.	relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
83.	indal freedom	n.	a single person or thing, as distinct from a group
84.	a gay of famous actors	n.	an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

ANSWERS: 75. bang, 76. ordinary, 77. simplistic, 78. experimental, 79. indivisible, 80. recognizable, 81. accelerate, 82. experimental, 83. individual, 84. galaxy

85.	even more unf	ely	adv.	by bad luck; unluckily
86.	weh a cargo		<i>v</i> .	to have a particular weight; to carefully evaluate things before making a conclusion
87.	a numerator in a fr	_on	n.	a small part or item forming a piece of a whole; the quotient of two rational numbers
88.	tense piano stgs		n.	long, thin material used for tying things together, composed of several twisted threads
89.	end of the gr_e period	I	n.	a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
90.	say a gre		n.	a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
91.	a planetary ort		n.	the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
92.	a prnd book		adj.	extremely great; sensed or experienced

ANSWERS: 85. unfortunately, 86. weigh, 87. fraction, 88. string, 89. grace, 90. grace, 91. orbit, 92. profound

very strongly; displaying a high level of

knowledge or comprehension

93.	to a recble degree	adj.	easy to become aware of or identify
94.	ascend to hen	n.	(of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
95.	a private indal	n.	a single person or thing, as distinct from a group
96.	talented phst	n.	a scientist who specializes in the field of physics
97.	ree around a central axis	<i>v</i> .	to rotate around a central point
98.	gr_p his hand	<i>v</i> .	to take hold of something or someone quickly and firmly
99.	boe back from failure	<i>v</i> .	to cause to move up or away after hitting a surface; to spring back
100.	. ant stories	adj.	relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
101.	. weh heavily on stock prices	<i>v</i> .	to have a particular weight; to carefully evaluate things before making a conclusion
102.	. the great diry of the century	n.	the act or process of finding information a place, or an object, or learning about something that was previously not known
103.	. coc background radiation	adj.	relating to the universe or cosmos; vast or limitless

ANSWERS: 93. recognizable, 94. heaven, 95. individual, 96. physicist, 97. revolve, 98. grasp, 99. bounce, 100. ancient, 101. weigh, 102. discovery, 103. cosmic

104. prt the future
105. vie stars
106. com a transaction
107. hen on earth
108. refined simty
109. pre-Christian ant
110. a rent of the city
111. pung behavior
112. mive popcorn

- v. to state beforehand that something will happen in the future, mainly based on knowledge or experience
- adj. capable of being seen; or open to easy view
- v. to support or establish the truth or certainty of something previously believed or suspected to be the case
- n. (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
- n. the quality or condition of being natural and plain or easy to understand or do
- adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
- a person who lives in a particular place or has their home in a place
- adj. confusing or difficult to understand; mysterious
- n. a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly

ANSWERS: 104. predict, 105. visible, 106. confirm, 107. heaven, 108. simplicity, 109. ancient, 110. resident, 111. puzzling, 112. microwave

113. nutrient-dee foods	adj.	containing a large number of people or something with little space between them
114. spte on the outcome	<i>v</i> .	to form a theory or conjecture or guess about a subject without solid evidence
115. a life of simty	n.	the quality or condition of being natural and plain or easy to understand or do
116. mive radiation	n.	a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
117. a unit of accion	n.	a rate of increase in velocity; the rate of change of velocity with respect to time
118. exe in popularity	v.	to burst or break open violently and noisily; to cause something to burst or break open
119. pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
120. can dioxide	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
121. pung questions	adj.	confusing or difficult to understand; mysterious
ANSWEDS: 113 danse 114 speculate 1	15 c	cimplicity 116 microwaye 117

ANSWERS: 113. dense, 114. speculate, 115. simplicity, 116. microwave, 117. acceleration, 118. explode, 119. particle, 120. carbon, 121. puzzling

122. preserve my gr\_\_\_y

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

ANSWERS: 122. gravity

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

1.	The violin's sound was so pure and that it gave me chills.
adj	relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
2.	The space shuttle is a modern engineering
n.	someone something that causes feelings of wonder or surprise
3.	My home is easily from the shore.
adj	capable of being seen; or open to easy view
4.	He felt like when he tasted the delicious chocolate cake.
n.	(of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
5.	The and the oxygen react and then form water.
n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
6.	They will between various emotional states.
v.	to cause to move up or away after hitting a surface; to spring back
7.	It's notoriously challenging to birth rates.
<i>v</i> .	to state beforehand that something will happen in the future, mainly based on knowledge or experience
	SWERS: 1. harmonic, 2. marvel, 3. visible, 4. heaven, 5. hydrogen, 6. bounce, 7.

ANSWERS: 8. grasp, 9. basis, 10. background, 11. simplicity, 12. accelerate, 13.

diversity, 14. afterglow, 15. vibrate

ANSWERS: 16. experiments, 17. advantages, 18. puzzling, 19. gravity, 20. galaxy, 21. divisible, 22. physicist, 23. elegance

ANSWERS: 31. ancient, 32. carbon, 33. individual, 34. acceleration, 35. spiral, 36. Cosmic, 37. indivisible, 38. particles

45. bang, 46. discovery

47. The entire mountain is covered in rainforest.	
adj. containing a large number of people or something with little space be them	tween
18. The rocket engine is used to put the satellite into	
n. the path of an object around a celestial body, especially a planet, star under the influence of gravity; (of medicine) the bony cavity in the sku houses the eyeball and its associated structures, like muscles, nerve blood vessels	ull that
49. Please write to your reservation.	
$\nu$ . to support or establish the truth or certainty of something previously be suspected to be the case	elieved or
50. She wore a of pearls around her neck.	
<ul><li>long, thin material used for tying things together, composed of severa threads</li></ul>	al twisted
51. The baby 1 pound 3 oz.	
v. to have a particular weight; to carefully evaluate things before making conclusion	j a
52. He that this investment would lead to success.	
v. to form a theory or conjecture or guess about a subject without solid	evidence
53. The building had a pattern that was pleasing to the eye.	
n. balance or proportion in design or structure, with elements arranged either side of an axis	evenly on
54. She wore an evening gown to the gala.	
adj. pleasing and graceful in appearance or manner, or showing good tas refinement	te and
ANSWERS: 47. dense, 48. orbit, 49. confirm, 50. string, 51. weighs, 52. sp 53. symmetry, 54. elegant	eculated,

55. The treatments were done but, were unsuccessful.
adv. by bad luck; unluckily
56. Hydrogen and oxygen to form water.  ν. to join or merge to form a single thing or group
57. The is about 13.8 billion years old.
<ul> <li>everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy</li> </ul>
58. She took a class at the gym to improve her cardiovascular fitness.
n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
59. My mother's illness had a impact on us all.
adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
60. The Earth around the Sun in an elliptical orbit.
v. to rotate around a central point
61. The company is undergoing an opening new locations in several states.
n. the process of becoming larger or more extensive, or the result of this process
ANSWERS: 55. unfortunately, 56. combine, 57. universe, 58. spinning, 59. profound 60. revolves, 61. expansion,