Englist.me

Vocabulary Builder Reference from...

Venus Keus: Three ways the universe could end |

TED Talk

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

he_universe_could_end



All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

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.

bang

 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.

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.

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

compact

adj. closely and firmly united or packed together, using very little space; smaller than is usual

synonym: packed, tight, consolidated

a compact camera, (2) extremely compact device
 Two countries acted together as if by compact.

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument In the hospital, she will remain under constant **observation**.

movement

 a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

synonym: motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

galaxy

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

synonym: star cluster, nebula, star system

elliptic galaxy, (2) a galaxy of famous actors
 The Milky Way galaxy has numerous water-bearing planets.

expand

v. to increase or to make something greater in size, number, or importance

synonym: extend, grow, boost

(1) expand a lineup, (2) expand agricultural output

They hope to **expand** their business worldwide.

accelerate

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.

cosmology

the scientific study of the nature and origin of the universe

synonym: cosmogony

- (1) physical **cosmology**, (2) modern **cosmology Cosmology** evolved from people's philosophical questions about the natural world.
- to tear something or be torn violently or suddenly synonym: tear, cut, slit
- (1) **rip** a notebook apart, (2) **rip** a hole in the roof During transit, the stuff may **rip** off the luggage tag.

crunch

- a loud, crackling noise made by something being crushed or broken; a difficult or critical situation synonym: crushing, snapping, crisis
- (1) financial crunch, (2) a gas crunch The **crunch** of the leaves underfoot was heard as they walked through the park.

scenario

- a description of possible actions or events in the future; a written outline of a play, film, or literary work
- synonym: plan, scheme, procedure
- (1) the worst case **scenario**, (2) number of different scenarios

The president prepared several possible **scenarios** for an enemy attack.

rip

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

tight

adj. fixed, fastened, or kept together firmly or closely synonym: closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget The national election was held amid **tight** security.

rub

v. to move one's hand or an object over the surface of something with pressure

synonym: scrub, massage, stroke

rub shoulders, (2) rub a glass window
 She rubbed the sore spot on her leg to ease the pain.

attractive

 adj. immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable

synonym: beautiful, fetching, alluring

(1) attractive men, (2) attractive opportunity

The growth of the "sharing economy" is **attractive** for tech companies.

gravity

 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**.

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** Please hang your towel on a **hook**.

repulsive

adj. causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influencesynonym: disgusting, revolting, repugnant

(1) repulsive smell, (2) repulsive act

The politician's rhetoric was so **repulsive** that many people refused to vote for him.

approximate

adj. nearly accurate or correct, but not completely so synonym: rough, close, near

(1) linear **approximate** equation, (2) **approximate** time The **approximate** cost of the project was estimated to be around \$500,000.

outcome

- n. the result or effect of an action, event, etc.synonym: result, consequence, effect
- (1) improved student **outcomes**, (2) a desirable **outcome** They awaited news of the **outcome** of the election.

opposing

adj. competing, fighting, or working against each other synonym: disagreeing, dissenting, conflicting

(1) **opposing** counsel, (2) in an **opposing** direction We have no intention of **opposing** his idea.

determinant

 a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

elasticity

 the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change

synonym: flexibility, pliability, suppleness

(1) elasticity coefficient, (2) skin elasticity

The **elasticity** of the rubber band allowed it to stretch without breaking.

expansion

 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.

cluster

 a group of similar things or people close together, often forming a distinct mass or unit

synonym: group, aggregation, array

(1) live in a cluster, (2) a cluster of stars

A **cluster** of grapes hung from the vine.

separate

- v. to force, take, or pull apart; mark as different synonym: disunite, isolate, ramify
- (1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

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.

dissolve

v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

synonym: disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage The political party **dissolved** after much internal fighting.

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.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution During the unloading, the container box **emits** a clicking sound.

redshift

n. a concept in physics, particularly in the field of cosmology, that describes how light or other electromagnetic radiation from an object increases in wavelength, or shifts to the red end of the spectrum, as it moves away from an observer, which is a key principle behind the Big Bang Theory and the expansion of the universe

synonym: doppler shift

(1) redshift effect, (2) Doppler redshift

The **redshift** in the galaxy's light suggested it was moving away from us.

wavelength

n. the distance between two points in the same phase in consecutive cycles of a wave

(1) wavelength of light, (2) long- wavelength laser White color is made up of many different wavelengths of light.

faint

adj. not strong, clear, or vigorous; slight or weaksynonym: slight, vague, soft

(1) **faint** memory, (2) **faint** aroma of roses She heard a **faint**, nearly invisible scream.

emanate

 to emit, send out something; to express a quality or feeling

synonym: radiate, exude, give off

(1) **emanate** light, (2) **emanate** happiness

The fragrance of flowers **emanated** from the garden.

chill

 a feeling of coldness that makes one shiver; (verb) to make cool or cooler

synonym: coldness, coolness, (verb) freeze

(1) the **chill** of autumn, (2) feel a slight **chill** His swear words cast a **chill** on the party.

elastic

adj. flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

synonym: stretchy, flexible, resilient

(1) elastic body, (2) elastic waistband

The skin of a snake is remarkably **elastic**, allowing it to slither through tight spaces.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed The corporation **eventually** dominated the entire tobacco business.

overcome

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

synonym: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties He tried to **overcome** a bad reputation and win the election.

gravitational

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

synonym: weighty, heavy, earthbound

(1) gravitational energy, (2) gravitational waves

The **gravitational** force of the black hole was so strong that nothing, not even light, could escape.

electromagnetic

adj. of or relating to the magnetism produced by electric charge in motion

(1) **electromagnetic** radiation, (2) **electromagnetic** properties

His hypothesis concerns the role of an **electromagnetic** field in human health.

nuclear

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

synonym: atomic

(1) nuclear fusion, (2) use of nuclear power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

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.

nucleus

n. the central and most important part of something;
 (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

synonym: core, heart, middle

(1) form a **nucleus**, (2) the **nucleus** of a team

DNA is stored in the **nucleus** of a cell.

atomic

adj. of or relating to atom (= the smallest component of an element)

synonym: tiny, microscopic, nuclear

(1) atomic nucleus, (2) atomic bomb

Carbon has an **atomic** mass of 12.

particle

 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.

destroy

v. to ruin or damage severely or completely; to eradicate or eliminate completely

synonym: demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence

The building was **destroyed** in the fire and had to be rebuilt.

correspond

v. to match or be similar to something else almost exactly; to exchange messages

synonym: match, equate, communicate

(1) **correspond** to a standard, (2) **correspond** with a foreign student

The numbers on the sign **correspond** to points on the map.

halt

 to bring or come to a stop; to force to stop moving or operating

synonym: stop, cease, terminate

(1) halt production, (2) halt progress

The train came to a **halt** at the station.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

(1) reverse the trend, (2) reverse the order

The restaurant **reversed** a ban on smoking.

clump

- n. a small group of bushes, trees, flowers, people, etc.synonym: cluster, bunch, bundle
- (1) clump of bacteria, (2) a clump of treesI heard the clump of his boots in the hallway.

hurtle

v. to move quickly and forcefully, especially in an uncontrolled or dangerous way

synonym: throw, hurl, fling

(1) hurtle into a tunnel, (2) hurtle through life

The car **hurtled** down the highway at breakneck speed.

collide

v. to hit something violently when moving

synonym: clash, slam, contradict

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

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

plummet

 to fall or drop suddenly and steeply; to decline rapidly or sharply

synonym: drop, plunge, fall

(1) **plummeting** sales, (2) **plummet** against other major currencies

The stock prices have **plummeted** in the last hour, causing concern for investors.

compress

v. to press or squeeze together to make something take up less space

synonym: condense, constrict, squeeze

(1) compress the chest, (2) compress gas

She **compressed** the files into a single ZIP archive to save space on her computer.

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.

precede

v. to happen or go before something or someone in time or space

synonym: lead, forego, antecede

(1) men often **precede** women when walking, (2) **precede** any discussion

Agricultural development generally **precedes** economic growth.

explode

v. 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.

contract

 a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym: agreement, deal, arrangement

(1) employment contract, (2) contract law

The company signed a **contract** with the supplier for the delivery of goods.

 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

bounce

They will **bounce** between various emotional states.

wipe

v. to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

synonym: clean, brush, swab

(1) Wipe off dirt, (2) wipe with water

Please wipe your sweat with this towel.

mitten

 a glove with a separate sheath for the thumb but a combined sheath for the four fingers, typically warmer than a traditional glove

synonym: glove, gauntlet, handwear

(1) fingerless mitten, (2) knitted mitten

My mom knit me a pair of warm woolen **mittens** for the winter.

Session 2: Spelling

1. re____e the trend

2. ov____me all difficulties

3. bo e across the floor

h__t progress

5. ex____e in anger

6. st___h a story

7. re____e the order

8. long-wav th laser

9. ov____me opponents

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

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

v. to bring or come to a stop; to force to stop moving or operating

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

v. to make or be capable of making anything longer or broader without hurting or breaking

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

 the distance between two points in the same phase in consecutive cycles of a wave

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

ANSWERS: 1. reverse, 2. overcome, 3. bounce, 4. halt, 5. explode, 6. stretch, 7. reverse, 8. wavelength, 9. overcome

10.	b_g a phone down	<i>v</i> .	to hit or cause to hit something in a way that makes a loud noise
11.	nur fusion	adj.	of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
12.	plting sales	<i>v</i> .	to fall or drop suddenly and steeply; to decline rapidly or sharply
13.	r_b a glass window	<i>v</i> .	to move one's hand or an object over the surface of something with pressure
14.	coe in midair	v.	to hit something violently when moving
15.	charged pale	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
16.	elaty coefficient	n.	the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change
17.	knitted min	n.	a glove with a separate sheath for the thumb but a combined sheath for the four fingers, typically warmer than a traditional glove
18.	clp of bacteria	n.	a small group of bushes, trees, flowers, people, etc.
19.	a circular mont	n.	a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 10. bang, 11. nuclear, 12. plummet, 13. rub, 14. collide, 15. particle, 16. elasticity, 17. mitten, 18. clump, 19. movement

20.	the characters that rent numbers	v.	to speak, act, or be present on behalf of another person or group; to form or constitute
21.	a desirable oue	n.	the result or effect of an action, event, etc.
22.	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
23.	modern cogy	n.	the scientific study of the nature and origin of the universe
24.	exd a lineup	<i>v</i> .	to increase or to make something greater in size, number, or importance
25.	sete video into chapter	<i>v</i> .	to force, take, or pull apart; mark as different
26.	granal waves	adj.	relating to or caused by gravity (= the force that attracts objects towards one another)
27.	granal energy	adj.	relating to or caused by gravity (= the force that attracts objects towards one another)
28.	eme light	v.	to emit, send out something; to express a quality or feeling
29.	wavth of light	n.	the distance between two points in the same phase in consecutive cycles of a wave
30.	elc waistband	adj.	flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

ANSWERS: 20. represent, 21. outcome, 22. atom, 23. cosmology, 24. expand, 25. separate, 26. gravitational, 27. gravitational, 28. emanate, 29. wavelength, 30. elastic

31.	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
32.	expansion of the unse	n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
33.	exe in popularity	v.	to burst or break open violently and noisily; to cause something to burst or break open
34.	pre any discussion	<i>v</i> .	to happen or go before something or someone in time or space
35.	men often pre women when walking	ν.	to happen or go before something or someone in time or space
36.	eme happiness	<i>v</i> .	to emit, send out something; to express a quality or feeling
37.	cornd with a foreign student	<i>v</i> .	to match or be similar to something else almost exactly; to exchange messages
38.	use of nur power	adj.	of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
39.	eletic radiation	adj.	of or relating to the magnetism produced by electric charge in motion
40.	the worst case scio	n.	a description of possible actions or events in the future; a written outline of a play, film, or literary work
41.	exd agricultural output	<i>v</i> .	to increase or to make something greater in size, number, or importance

ANSWERS: 31. planet, 32. universe, 33. explode, 34. precede, 35. precede, 36. emanate, 37. correspond, 38. nuclear, 39. electromagnetic, 40. scenario, 41. expand

42.	a gas crh	n.	a loud, crackling noise made by something being crushed or broken; a difficult or critical situation
43.	atc nucleus	adj.	of or relating to atom (= the smallest component of an element)
44.	the chl of autumn	n.	a feeling of coldness that makes one shiver; (verb) to make cool or cooler
45.	fat memory	adj.	not strong, clear, or vigorous; slight or weak
46.	environmental detnt	n.	a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
47.	reve smell	adj.	causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
48.	fingerless min	n.	a glove with a separate sheath for the thumb but a combined sheath for the four fingers, typically warmer than a traditional glove
49.	dee forests	adj.	containing a large number of people or something with little space between them
50.	we with water	<i>v</i> .	to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
51.	hue into a tunnel	ν.	to move quickly and forcefully, especially in an uncontrolled or dangerous way

ANSWERS: 42. crunch, 43. atomic, 44. chill, 45. faint, 46. determinant, 47. repulsive, 48. mitten, 49. dense, 50. wipe, 51. hurtle

52.	a cot camera	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
53.	exon project	n.	the process of becoming larger or more extensive, or the result of this process
54.	rent by a diagram	<i>v</i> .	to speak, act, or be present on behalf of another person or group; to form or constitute
55.	number of different scios	n.	a description of possible actions or events in the future; a written outline of a play, film, or literary work
56.	employment coct	n.	a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
57.	elliptic gay	n.	an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
58.	et a gamma ray	v.	to give off or send out something such as light, heat, sound, gas, etc.
59.	evely succeed	adv.	finally, particularly after a long time or a lot of struggle, complications, and so on
60.	skin elaty	n.	the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change
61.	accte a chemical reaction	<i>v</i> .	to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 52. compact, 53. expansion, 54. represent, 55. scenario, 56. contract, 57. galaxy, 58. emit, 59. eventually, 60. elasticity, 61. accelerate

62.	coss gas	<i>v</i> .	to press or squeeze together to make something take up less space
63.	pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
64.	elc body	adj.	flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
65.	sete cream from milk	<i>v</i> .	to force, take, or pull apart; mark as different
66.	prt when she will arrive	v.	to state beforehand that something will happen in the future, mainly based on knowledge or experience
67.	reft effect	n.	a concept in physics, particularly in the field of cosmology, that describes how light or other electromagnetic radiation from an object increases in wavelength, or shifts to the red end of the spectrum, as it moves away from an observer, which is a key principle behind the Big Bang Theory and the expansion of the universe
68.	deyed evidence	<i>v</i> .	to ruin or damage severely or completely; to eradicate or eliminate completely
69.	industrial exon	n.	the process of becoming larger or more extensive, or the result of this process
70.	financial crh	n.	a loud, crackling noise made by something being crushed or broken; a difficult or critical situation

ANSWERS: 62. compress, 63. particle, 64. elastic, 65. separate, 66. predict, 67. redshift, 68. destroy, 69. expansion, 70. crunch

71.	et air pollution	<i>v</i> .	to give off or send out something such as light, heat, sound, gas, etc.
72.	plt against other major currencies	<i>v</i> .	to fall or drop suddenly and steeply; to decline rapidly or sharply
73.	a clr of stars	n.	a group of similar things or people close together, often forming a distinct mass or unit
74.	mont of troops	n.	a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
75.	h_t production	<i>v</i> .	to bring or come to a stop; to force to stop moving or operating
76.	accte the car	ν.	to make something faster or earlier; to cause to develop or progress more quickly
77.	coct law	n.	a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
78.	get incly insecure	adv.	in a way that is very difficult to believe; exceedingly or extremely
79.	live in a clr	n.	a group of similar things or people close together, often forming a distinct mass or unit
80.	physical cogy	n.	the scientific study of the nature and origin of the universe

ANSWERS: 71. emit, 72. plummet, 73. cluster, 74. movement, 75. halt, 76. accelerate, 77. contract, 78. incredibly, 79. cluster, 80. cosmology

81.	linear appte equation	adj.	nearly accurate or correct, but not completely so
82.	theory of the unse	n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
83.	a gay of famous actors	n.	an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
84.	obson instrument	n.	the act or activity of carefully examining or monitoring something or someone
85.	nutrient-dee foods	adj.	containing a large number of people or something with little space between them
86.	attve men	adj.	immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
87.	dey the ecosystem	<i>v</i> .	to ruin or damage severely or completely; to eradicate or eliminate completely
88.	r_p a notebook apart	<i>v</i> .	to tear something or be torn violently or suddenly
89.	evely become obsolete	adv.	finally, particularly after a long time or a lot of struggle, complications, and so on
90.	vt desert	adj.	enormous in size, number, amount, or quantity
91.	fat aroma of roses	adj.	not strong, clear, or vigorous; slight or weak

ANSWERS: 81. approximate, 82. universe, 83. galaxy, 84. observation, 85. dense, 86. attractive, 87. destroy, 88. rip, 89. eventually, 90. vast, 91. faint

the result or effect of an action, event, 92. improved student ou es n. etc. a curved device used for suspending, 93. a hat h k n. holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook 94. Doppler re ft a concept in physics, particularly in the n. field of cosmology, that describes how light or other electromagnetic radiation from an object increases in wavelength. or shifts to the red end of the spectrum, as it moves away from an observer, which is a key principle behind the Big Bang Theory and the expansion of the universe 95. op___ng counsel adj. competing, fighting, or working against each other 96. v t majority adj. enormous in size, number, amount, or quantity 97. co e head-on to hit something violently when moving ν. 98. a cl p of trees a small group of bushes, trees, flowers, n. people, etc. 99. a ti t game adj. fixed, fastened, or kept together firmly or closely 100. app te time adj. nearly accurate or correct, but not completely so 101. hu___e through life to move quickly and forcefully, ν.

ANSWERS: 92. outcome, 93. hook, 94. redshift, 95. opposing, 96. vast, 97. collide, 98. clump, 99. tight, 100. approximate, 101. hurtle

especially in an uncontrolled or

dangerous way

102. We off dirt	ν.	to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
103. a detnt of crop yields	n.	a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
104. form a nus	n.	the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
105. coss the chest	<i>v</i> .	to press or squeeze together to make something take up less space
106. boe back from failure	<i>v</i> .	to cause to move up or away after hitting a surface; to spring back
107. neutral hydrogen ams	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
108. attve opportunity	adj.	immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
109. reve act	adj.	causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
110. r_p a hole in the roof	<i>v</i> .	to tear something or be torn violently or suddenly

ANSWERS: 102. wipe, 103. determinant, 104. nucleus, 105. compress, 106. bounce, 107. atom, 108. attractive, 109. repulsive, 110. rip

111. feel a slight chl	n.	a feeling of coldness that makes one shiver; (verb) to make cool or cooler
112. preserve my 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
113. 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
114. incly cheerful character	adv.	in a way that is very difficult to believe; exceedingly or extremely
115. eletic properties	adj.	of or relating to the magnetism produced by electric charge in motion
116. extremely cot device	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
117. sth along the coast	v.	to make or be capable of making anything longer or broader without hurting or breaking
118. class obson day	n.	the act or activity of carefully examining or monitoring something or someone
119. 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
120. student on a ti_t budget	adj.	fixed, fastened, or kept together firmly or closely
121. the nus of a team	n.	the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

ANSWERS: 111. chill, 112. gravity, 113. planet, 114. incredibly, 115. electromagnetic, 116. compact, 117. stretch, 118. observation, 119. gravity, 120. tight, 121. nucleus

122. di ve the sugar to be or cause to be absorbed by a ν. liquid to form a part of the solution; to close down or dismiss 123. b g his fist on a desk to hit or cause to hit something in a way ν. that makes a loud noise 124. cor nd to a standard to match or be similar to something else ν . almost exactly; to exchange messages adj. competing, fighting, or working against 125. in an op___ng direction each other 126. officially di ved the marriage to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss 127. pr___t the future to state beforehand that something will ν. happen in the future, mainly based on knowledge or experience a curved device used for suspending, 128. the curved shape of a h k n. holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook to move one's hand or an object over 129. r b shoulders ν. the surface of something with pressure

130. at___c bomb

ANSWERS: 122. dissolve, 123. bang, 124. correspond, 125. opposing, 126. dissolve, 127. predict, 128. hook, 129. rub, 130. atomic

adj. of or relating to atom (= the smallest

component of an element)

Session 3: Fill in the Blanks

1.	I heard the of his boots in the hallway.
n.	a small group of bushes, trees, flowers, people, etc.
	The cost of the project was estimated to be around \$500,000. j. nearly accurate or correct, but not completely so
3.	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
4.	The government tried to the commercialization of this development
<i>v</i> .	to make something faster or earlier; to cause to develop or progress more quickly
5.	The corporation dominated the entire tobacco business.
ad	v. finally, particularly after a long time or a lot of struggle, complications, and so on
6.	A audience viewed the broadcast.
ad	j. enormous in size, number, amount, or quantity
7.	The in the galaxy's light suggested it was moving away from us.
n.	a concept in physics, particularly in the field of cosmology, that describes how light or other electromagnetic radiation from an object increases in wavelength or shifts to the red end of the spectrum, as it moves away from an observer, which is a key principle behind the Big Bang Theory and the expansion of the universe
	ISWERS: 1. clump, 2. approximate, 3. predict, 4. accelerate, 5. eventually, 6. vast

8.	His swear words cast a on the party.
n.	a feeling of coldness that makes one shiver; (verb) to make cool or cooler
9.	Please your sweat with this towel.
v.	to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
10.	We elected him to us at the international conference.
ν.	to speak, act, or be present on behalf of another person or group; to form or constitute
11.	She the files into a single ZIP archive to save space on her computer.
v.	to press or squeeze together to make something take up less space
12.	In the hospital, she will remain under constant
n.	the act or activity of carefully examining or monitoring something or someone
13.	We have no intention of his idea.
adj	competing, fighting, or working against each other
14.	Agricultural development generally economic growth.
v.	to happen or go before something or someone in time or space
15.	The car down the highway at breakneck speed.
v.	to move quickly and forcefully, especially in an uncontrolled or dangerous way
16.	The is about 13.8 billion years old.
n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
	SWERS: 8. chill, 9. wipe, 10. represent, 11. compressed, 12. observation, 13. posing, 14. precedes, 15. hurtled, 16. universe

ANSWERS: 17. crunch, 18. cluster, 19. destroyed, 20. tight, 21. elasticity, 22. nuclear, 23. plummeted, 24. gravitational

another)

ANSWERS: 25. scenarios, 26. exploded, 27. correspond, 28. dissolved, 29. rubbed, 30. emanated, 31. galaxy, 32. dense

an independent group of stars, interstellar gas, dark matter, etc., in the

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

universe, bound together by gravity

them

32. The entire mountain is covered in _____ rainforest.

33.	The astronaut felt weightless in space due to the absence of		
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		
34.	During transit, the stuff may off the luggage tag.		
ν.	to tear something or be torn violently or suddenly		
35.	He tried to a bad reputation and win the election.		
<i>v</i> .	to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone		
36.	DNA is stored in the of a cell.		
n.	the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom		
37.	White color is made up of many different of light.		
n.	the distance between two points in the same phase in consecutive cycles of a wave		
38.	One of success is having a positive attitude and a strong work ethic.		
n.	a factor, circumstance, or condition that contributes to the shaping, influencing or determining of a particular outcome or result		
39.	Mercury is the closest to the sun.		
n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star		
40.	The restaurant a ban on smoking.		
v.	to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear		
	SWERS: 33. gravity, 34. rip, 35. overcome, 36. nucleus, 37. wavelengths, 38. erminant, 39. planet, 40. reversed		

41. The growth of the "sharing economy" is $_$	for tech companies.			
adj. immensely appealing in look or sound; he make something appealing and valuable				
42. Some herds have been observed to	hundreds of kilometers.			
v. to make or be capable of making anythi breaking	ng longer or broader without hurting or			
43. They will between various emotion	onal states.			
v. to cause to move up or away after hittin	g a surface; to spring back			
44 evolved from people's philosophical questions about the natural world.				
n. the scientific study of the nature and ori	gin of the universe			
45. His hypothesis concerns the role of an	field in human health.			
adj. of or relating to the magnetism produce	d by electric charge in motion			
46. The skin of a snake is remarkably spaces.	allowing it to slither through tight			
adj. flexible, resilient, or adaptable; (noun) a stretched and then returned to its original adaptable	•			
47. She heard a nearly invisible scream.				
adj. not strong, clear, or vigorous; slight or w	veak			
48. They hope to their business worldwide.				
v. to increase or to make something greate	er in size, number, or importance			
ANSWERS: 41. attractive, 42. stretch, 43. bo electromagnetic, 46. elastic, 47. faint, 48. exp	3.			

ANSWERS: 49. collide, 50. repulsive, 51. separate, 52. atom, 53. particles, 54. atomic, 55. contract, 56. halt

to bring or come to a stop; to force to stop moving or operating

57.	states.	opening new locations in several
n.	the process of becoming larger or more ex	tensive, or the result of this process
58.	3. The of the dancers on stage was	graceful and elegant.
n.	 a group of people working together to achi political, social, or artistic one; the process physically or figuratively 	• • •
59.	. Two countries acted together as if by	·
adj	dj. closely and firmly united or packed togethe than is usual	er, using very little space; smaller
60.	. They awaited news of the of the el	ection.
n.	the result or effect of an action, event, etc.	
61.	. My mom knit me a pair of warm woolen	for the winter.
n.	a glove with a separate sheath for the thur four fingers, typically warmer than a tradition	
62.	2. My father tried to mathematics into my	head since childhood.
<i>v</i> .	to hit or cause to hit something in a way th	at makes a loud noise
63.	8. Please hang your towel on a	
n.	a curved device used for suspending, hold one attached to a surface for hanging thing	
64.	During the unloading, the container box	a clicking sound.
<i>v</i> .	to give off or send out something such as I	ight, heat, sound, gas, etc.
	NSWERS: 57. expansion, 58. movement, 59. o 2. bang, 63. hook, 64. emits	compact, 60. outcome, 61. mittens,

65. Several cities are experiencing _____ high unemployment rates.

adv. in a way that is very difficult to believe; exceedingly or extremely

ANSWERS: 65. incredibly