

# Englist.me



## Vocabulary Builder Reference from...

*Jeremy Kasdin: The flower-shaped starshade that might help us detect Earth-like planets | TED Talk*  
[https://www.ted.com/talks/jeremy\\_kasdin\\_the\\_flower\\_shaped\\_starshade\\_that\\_might\\_help\\_us\\_detect\\_earth\\_like\\_planets](https://www.ted.com/talks/jeremy_kasdin_the_flower_shaped_starshade_that_might_help_us_detect_earth_like_planets)

### All Words

#### IMPORTANT

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## Session 1: Word List

### universe

*n.* 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.

### teem

*v.* to be abuzz; to move in large numbers; to fall heavily

*synonym* : brim, swarm, overflow

(1) **teem** with activity, (2) **teem** down

The city **teems** with traffic on holiday.

### planet

*n.* 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.

### telescope

*n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**

This facility has the largest astronomical **telescope** in the country.

## harbor

*n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

*synonym*: port, dock, pier

(1) a sheltered **harbor**, (2) **harbor** a resentment

The tsunami swamped every boat in the **harbor**.

## colleague

*n.* one of a group of a coworker, especially in a profession or a business

*synonym*: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

## jet

*n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances

*synonym*: plane, aircraft, flier

(1) private **jet**, (2) commercial **jet**

The **jet** flew over the ocean at high speed, reaching its destination in hours.

## propulsion

*n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

*synonym*: propelling, driving, actuation

(1) **propulsion** technology, (2) nuclear **propulsion**

The spacecraft's **propulsion** system helped it travel through space.

## laboratory

*n.* a workplace for doing scientific research or teaching science; a lab

*synonym*: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

### astronomer

*n.* a physicist who studies astronomy

*synonym*: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

### galaxy

*n.* 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.

### 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.

### detect

*v.* to find or recognize something, especially something difficult to see, hear, etc.

*synonym*: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

### indirectly

*adv.* not going straight to the point; implying or suggesting something

*synonym*: circuitously, obliquely, by implication

(1) **indirectly** related, (2) **indirectly** impact

The CEO **indirectly** expressed her disappointment with the project's progress.

### pale

*adj.* having skin that is very light colored; lacking in vitality or interest or effectiveness

*synonym*: sallow, faint, ashen

(1) a **pale** complexion, (2) **pale** pink  
She turned **pale** when she heard the news.

**dot** *n.* a very small circular mark, especially one that is printed  
*synonym*: drop, dab, fleck  
(1) connecting the **dots**, (2) **dot** blot method  
The wallpaper had a pattern of pink **dots** on a white surface.

**voyage** *n.* a long journey, especially by sea or in space  
*synonym*: journey, trip, excursion  
(1) a **voyage** of discovery, (2) take a **voyage**  
The astronaut trained for years before embarking on her **voyage** to the International Space Station.

**spacecraft** *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments  
*synonym*: spaceship, satellite, probe  
(1) **spacecraft** launch, (2) alien **spacecraft**  
The human-crewed **spacecraft** successfully landed on the moon, fulfilling its mission.

**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**.

**mar** *v.* to damage or spoil the appearance or surface of something  
*synonym*: damage, deface, disfigure  
(1) **mar** a proper relationship, (2) **mar** the reputation  
The scratches on the car **marred** its otherwise perfect appearance.

## slightly

*adv.* in a small degree or extent; a little

*synonym* : barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

## blur

*n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

*synonym* : smudge, smear, fuzz

(1) **blur** image, (2) motion **blur**

The camera's focus was off, and the image was a **blur** of colors and shapes.

## resolve

*v.* to find a suitable answer to the problems or difficulty

*synonym* : decide, determine, fix

(1) **resolve** a dispute, (2) **resolve** the computer error

This company **resolves** its battery problem completely.

## belt

*v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body

*synonym* : sing, hit hard, (noun) strap

(1) **belt** him in the face, (2) leather **belt**

The band was **belting** out old songs in response to audience requests.

## alpha

*n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy

*synonym* : first, beginning, leader

(1) **alpha** particle, (2) **alpha** radiation

The company's new CEO was known for his **alpha** personality.

## beam

*n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or

stream of light emitted by a source

*synonym*: ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building

The sun's **beam** shone through the window and illuminated the room.

## diffraction

*n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones

*synonym*: bending, refraction, scattering

(1) X-ray **diffraction**, (2) **diffraction** grating

The **diffraction** pattern of the light passing through the prism was a beautiful rainbow of colors.

## scatter

*v.* to cause to separate and go in different directions

*synonym*: disperse, spread, bestrew

(1) **scatter** seeds, (2) **scatter** around the internet

The hunter's approach **scattered** the geese.

## rid

*v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

*synonym*: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products

We must **rid** ourselves of pollution.

## amazing

*adj.* extremely surprising, especially in a way that you like or admire

*synonym*: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

## inspiration

*n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

*synonym*: motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature  
He found **inspiration** in the works of his favorite authors.

## eclipse

*n.* an obscuring of one celestial body by another, often used to describe a lunar or solar eclipse; a period of obscurity or decline, often used to describe a decline in popularity or influence; (verb) to surpass, overshadow, or outshine someone or something

*synonym*: overshadow, blackout, decadence

(1) partial **eclipse**, (2) **eclipse** a competitor

People across the country gathered to watch the solar **eclipse** in wonder and amazement.

## dim

*adj.* poorly lit; not bright

*synonym*: dull, faint, weak

(1) **dim** and distant past, (2) **dim** memory

The **dim** light made it difficult to read the book.

## corona

*n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape

*synonym*: crown, halo, circle

(1) **corona** layer, (2) **corona** outbreak

The **corona** virus has caused a global pandemic.

## thumb

*n.* the short, thick digit of the hand next to the index finger; (verb) to travel by getting free rides from motorists

*synonym*: digit, finger, phalange

(1) **thumb** wrestling, (2) **thumb** a ride

He used his right **thumb** to press the button on his phone.

## spotlight

*n.* a beam of light used to illuminate a particular area or person

*synonym*: limelight, stage light, highlight

(1) **spotlight** effect, (2) **spotlight** moment

The singer was in the **spotlight** as she performed her hit

song.

**row**

*n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars  
*synonym*: line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees  
He was the leader of the demonstrators and spoke out against the war in the front **row**.

**cast**

*v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process  
*synonym*: throw, project, select

(1) **cast** a ballot, (2) **cast** a charming eye  
This accident **cast** a dark shadow over their lives.

**shadow**

*n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner  
*synonym*: shade, silhouette, outline

(1) **shadow** cast, (2) **shadow** puppetry  
The tree cast a **shadow** over the picnic area, providing relief from the sun.

**structure**

*n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts  
*synonym*: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain  
The organizational **structure** of start-ups is often flat and straightforward.



## boom

*n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound

*synonym*: roaring, prosperity, boost

(1) **boom** in sales, (2) a sonic **boom**

The high-technology industry is enjoying a **boom**.

## 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.

## stream

*n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

*synonym*: flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

## 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.

## optimal

*adj.* the best; most likely to be successful or advantageous

*synonym*: optimum, desirable, favorable

(1) achieve **optimal** health, (2) **optimal** for intellectual growth

Wild animals need to go forward with the **optimal** action to survive.

## petal

*n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts

*synonym* : blossom, flower, bloom

(1) **petal** shape, (2) rose **petal**

The botany field is concerned with studying the structure of plant **petals**.

## formidable

*adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

*synonym* : daunting, intimidating, fearful

(1) **formidable** challenge, (2) **formidable** competitor

The mountain range was a **formidable** obstacle for the hikers.

## brilliant

*adj.* extremely clever, skilled, or impressive

*synonym* : luminous, intelligent, clever

(1) **brilliant** idea, (2) **brilliant** performance

The more **brilliant** you are, the more people around you look at you with envy and jealousy.

## engineer

*n.* 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.

## wrap

*v.* to cover or enclose something entirely with paper, cloth, or other material

*synonym* : surround, cover, bandage

(1) **wrap** a fish in foil, (2) **wrap** up a meeting

**Wrap** the bandage tightly around the injured arm.

## hub

*n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes

*synonym* : center, junction, focal point

(1) a **hub** of commerce, (2) education **hub**

This airport has taken the first step to become an

international **hub** airport.

## 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.

## unfurl

v. to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed

*synonym*: unfold, expand, spread out

(1) **unfurl** my banner, (2) **unfurl** the sails

The flag slowly **unfurled** in the wind atop the flagpole.

## flip

v. to turn over into a different position quickly; to throw or toss with a light motion

*synonym*: throw, jump

(1) **flip** over the pork chop, (2) **flip** a coin

He **flipped** when he heard that he had been accepted into the university.

## fiction

n. the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

*synonym*: fantasy, fable, invention

(1) stuff of science **fiction**, (2) non- **fiction** bestseller

Truth is stranger than **fiction**.

## undergraduate

n. a student who is studying for their first degree at a university or other higher education institution

*synonym*: college student, freshman

(1) engineering **undergraduate**, (2) **undergraduate** course

The class was composed of both **undergraduate** and graduate students.

## intern

v. to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

*synonym*: apprentice, trainee, student

(1) **intern** civilians, (2) medical **intern**

The navy **interned** ships of defeated nations.

## deploy

v. to move troops or weapons into a position or military action; to bring into something in an effective way

*synonym*: set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures

This country **deployed** its weapons in the east region.

## rotate

v. to turn around a central point or axis; to move in a circular path around something

*synonym*: turn, revolve, spin

(1) **rotate** crops, (2) **rotate** about the origin

The Earth **rotates** on its axis once every 24 hours.

## precise

*adj.* sharply exact or accurate or delimited

*synonym*: accurate, exact, distinct

(1) **precise** analyses, (2) estimate **precise** costs

The content is **precise** and informative for me.

## occult

*adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

*synonym*: hidden, mysterious, esoteric

(1) **occult** knowledge, (2) **occult** practices

She is interested in practicing **occult** rituals.

## portrait

*n.* a painting, picture; the likeness of a person, especially one showing the face

*synonym*: illustration, image, portraiture

(1) a **portrait** painter, (2) **portrait** of a well-known figure

A well-known artist painted this lovely lady's **portrait**.

## Jovian

*adj.* relating to Jupiter or its characteristics

*synonym* : Jupiter, giant planet

(1) **Jovian** satellites, (2) **Jovian** planet

The **Jovian** moon Europa is believed to have an ocean beneath its icy surface.

## residual

*adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account

*synonym* : residuary, leftover, remaining

(1) **residual** waste, (2) **residual** income

The scientist found **residual** traces of the chemical in the water sample.

## oxygen

*n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

## ozone

*n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell

(1) **ozone** depletion, (2) atmospheric **ozone**

The **ozone** layer is vital for blocking some harmful sun rays.

## Session 2: Spelling

1. en\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
2. sc\_\_\_\_r seeds *v.* to cause to separate and go in different directions
3. sc\_\_\_\_r around the internet *v.* to cause to separate and go in different directions
4. co\_\_\_\_a layer *n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape
5. engineering und\_\_\_\_\_\_ate *n.* a student who is studying for their first degree at a university or other higher education institution
6. a p\_\_e complexion *adj.* having skin that is very light colored; lacking in vitality or interest or effectiveness
7. w\_\_p up a meeting *v.* to cover or enclose something entirely with paper, cloth, or other material
8. re\_\_\_\_al waste *adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
9. atmospheric oz\_\_e *n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell

ANSWERS: 1. engineer, 2. scatter, 3. scatter, 4. corona, 5. undergraduate, 6. pale, 7. wrap, 8. residual, 9. ozone

10. c\_\_t a charming eye      *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
11. nuclear pro\_\_\_\_\_on      *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
12. un\_\_\_l the sails      *v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
13. a planetary or\_\_t      *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
14. st\_\_\_\_\_re and function of the brain      *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
15. ec\_\_\_\_\_e a competitor      *n.* an obscuring of one celestial body by another, often used to describe a lunar or solar eclipse; a period of obscurity or decline, often used to describe a decline in popularity or influence; (verb) to surpass, overshadow, or outshine someone or something

ANSWERS: 10. cast, 11. propulsion, 12. unfurl, 13. orbit, 14. structure, 15. eclipse

16. theory of the un\_\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
17. ro\_\_\_e crops *v.* to turn around a central point or axis; to move in a circular path around something
18. sh\_\_\_w cast *n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
19. pro\_\_\_\_\_on technology *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
20. motion b\_\_\_r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
21. al\_\_\_a particle *n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy
22. br\_\_\_\_\_nt performance *adj.* extremely clever, skilled, or impressive
23. anthropology lab\_\_\_\_\_ry *n.* a workplace for doing scientific research or teaching science; a lab

ANSWERS: 16. universe, 17. rotate, 18. shadow, 19. propulsion, 20. blur, 21. alpha, 22. brilliant, 23. laboratory



24. pl\_\_\_t 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
25. d\_m memory *adj.* poorly lit; not bright
26. achieve op\_\_\_\_\_l health *adj.* the best; most likely to be successful or advantageous
27. b\_\_r image *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
28. elliptic ga\_\_\_y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
29. save the pl\_\_\_t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
30. even more unf\_\_\_\_\_ely *adv.* by bad luck; unluckily
31. a binocular te\_\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
32. a r\_w of cherry trees *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
33. leather b\_\_t *v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body

ANSWERS: 24. planet, 25. dim, 26. optimal, 27. blur, 28. galaxy, 29. planet, 30. unfortunately, 31. telescope, 32. row, 33. belt

34. take a vo\_\_\_e *n.* a long journey, especially by sea or in space
35. r\_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
36. ind\_\_\_\_\_ly impact *adv.* not going straight to the point; implying or suggesting something
37. stuff of science fi\_\_\_\_\_n *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
38. medical in\_\_\_n *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
39. f\_\_p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
40. re\_\_\_\_\_al income *adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
41. sp\_\_\_\_\_te about the reason *v.* to form a theory or conjecture or guess about a subject without solid evidence
42. t\_\_m down *v.* to be abuzz; to move in large numbers; to fall heavily
43. de\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 34. voyage, 35. rid, 36. indirectly, 37. fiction, 38. intern, 39. flip, 40. residual, 41. speculate, 42. teem, 43. detect

44. pr\_\_\_\_e analyses *adj.* sharply exact or accurate or delimited
45. am\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
46. se\_\_\_\_te video into chapter *v.* to force, take, or pull apart; mark as different
47. un\_\_\_\_l my banner *v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
48. sh\_\_\_\_w puppetry *n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
49. the st\_\_\_\_m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
50. sp\_\_\_\_ht moment *n.* a beam of light used to illuminate a particular area or person
51. br\_\_\_\_nt idea *adj.* extremely clever, skilled, or impressive
52. d\_m and distant past *adj.* poorly lit; not bright
53. a sheltered ha\_\_\_\_r *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

ANSWERS: 44. precise, 45. amazing, 46. separate, 47. unfurl, 48. shadow, 49. stream, 50. spotlight, 51. brilliant, 52. dim, 53. harbor

54. amateur ast\_\_\_\_\_er *n.* a physicist who studies astronomy
55. criminal on death r\_w *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
56. se\_\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
57. the hydrogen binds the ox\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
58. th\_\_b wrestling *n.* the short, thick digit of the hand next to the index finger; (verb) to travel by getting free rides from motorists
59. solar ast\_\_\_\_\_er *n.* a physicist who studies astronomy
60. co\_\_\_a outbreak *n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape
61. p\_\_e pink *adj.* having skin that is very light colored; lacking in vitality or interest or effectiveness
62. ro\_\_\_e about the origin *v.* to turn around a central point or axis; to move in a circular path around something
63. oc\_\_\_t practices *adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

ANSWERS: 54. astronomer, 55. row, 56. separate, 57. oxygen, 58. thumb, 59. astronomer, 60. corona, 61. pale, 62. rotate, 63. occult

64. dif\_\_\_\_\_on grating *n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones
65. al\_\_a radiation *n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy
66. the st\_\_\_\_\_re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
67. a civil en\_\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
68. de\_\_\_y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
69. source of ins\_\_\_\_\_on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
70. for\_\_\_\_\_le competitor *adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration
71. a po\_\_\_\_\_it painter *n.* a painting, picture; the likeness of a person, especially one showing the face

ANSWERS: 64. diffraction, 65. alpha, 66. structure, 67. engineer, 68. deploy, 69. inspiration, 70. formidable, 71. portrait

72. connecting the d\_ots *n.* a very small circular mark, especially one that is printed
73. expansion of the un\_\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
74. alien spa\_\_\_\_\_ft *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
75. und\_\_\_\_\_ate course *n.* a student who is studying for their first degree at a university or other higher education institution
76. look through a te\_\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
77. education h\_b *n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes
78. X-ray dif\_\_\_\_\_on *n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones
79. b\_\_t him in the face *v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
80. partial ec\_\_\_\_\_e *n.* an obscuring of one celestial body by another, often used to describe a lunar or solar eclipse; a period of obscurity or decline, often used to describe a decline in popularity or influence; (verb) to surpass, overshadow, or outshine someone or something

ANSWERS: 72. dot, 73. universe, 74. spacecraft, 75. undergraduate, 76. telescope,

77. hub, 78. diffraction, 79. belt, 80. eclipse

81. b\_\_m in sales *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
82. a structural b\_\_m of a building *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
83. re\_\_\_\_\_e the computer error *v.* to find a suitable answer to the problems or difficulty
84. a h\_b of commerce *n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes
85. collaborate with co\_\_\_\_\_ues *n.* one of a group of a coworker, especially in a profession or a business
86. b\_\_m of light *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
87. Jo\_\_\_n planet *adj.* relating to Jupiter or its characteristics
88. private j\_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
89. unf\_\_\_\_\_ely caught in a shower *adv.* by bad luck; unluckily
90. get ins\_\_\_\_\_on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

ANSWERS: 81. boom, 82. beam, 83. resolve, 84. hub, 85. colleague, 86. beam, 87. Jovian, 88. jet, 89. unfortunately, 90. inspiration



91. the or\_\_t 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
92. in\_\_\_n civilians *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
93. former co\_\_\_\_\_ue *n.* one of a group of a coworker, especially in a profession or a business
94. de\_\_\_\_\_y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
95. lab\_\_\_\_\_ry accident *n.* a workplace for doing scientific research or teaching science; a lab
96. pe\_\_l shape *n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts
97. a vo\_\_\_e of discovery *n.* a long journey, especially by sea or in space
98. increase sl\_\_\_\_\_ly *adv.* in a small degree or extent; a little
99. op\_\_\_\_\_l for intellectual growth *adj.* the best; most likely to be successful or advantageous

ANSWERS: 91. orbit, 92. intern, 93. colleague, 94. destroy, 95. laboratory, 96. petal, 97. voyage, 98. slightly, 99. optimal

100. sl____ly alkaline soils	<i>adv.</i> in a small degree or extent; a little
101. d_t blot method	<i>n.</i> a very small circular mark, especially one that is printed
102. t__m with activity	<i>v.</i> to be abuzz; to move in large numbers; to fall heavily
103. a ga____y of famous actors	<i>n.</i> an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
104. po____it of a well-known figure	<i>n.</i> a painting, picture; the likeness of a person, especially one showing the face
105. sp_____te on the outcome	<i>v.</i> to form a theory or conjecture or guess about a subject without solid evidence
106. w__p a fish in foil	<i>v.</i> to cover or enclose something entirely with paper, cloth, or other material
107. de____y safety measures	<i>v.</i> to move troops or weapons into a position or military action; to bring into something in an effective way
108. commercial j_t	<i>n.</i> a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
109. non-fi_____n bestseller	<i>n.</i> the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
110. re_____e a dispute	<i>v.</i> to find a suitable answer to the problems or difficulty
111. an endless st____m of cars	<i>n.</i> a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

ANSWERS: 100. slightly, 101. dot, 102. teem, 103. galaxy, 104. portrait, 105. speculate, 106. wrap, 107. deploy, 108. jet, 109. fiction, 110. resolve, 111. stream

112. the most am\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
113. m\_r a proper relationship *v.* to damage or spoil the appearance or surface of something
114. a sonic b\_\_m *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
115. estimate pr\_\_\_\_e costs *adj.* sharply exact or accurate or delimited
116. f\_\_p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
117. m\_r the reputation *v.* to damage or spoil the appearance or surface of something
118. ind\_\_\_\_\_ly related *adv.* not going straight to the point; implying or suggesting something
119. lack of ox\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
120. Jo\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
121. get r\_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
122. rose pe\_\_l *n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts

ANSWERS: 112. amazing, 113. mar, 114. boom, 115. precise, 116. flip, 117. mar, 118. indirectly, 119. oxygen, 120. Jovian, 121. rid, 122. petal

123. th\_\_b a ride *n.* the short, thick digit of the hand next to the index finger; (verb) to travel by getting free rides from motorists
124. ha\_\_\_r a resentment *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession
125. de\_\_\_\_yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
126. oz\_\_e depletion *n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell
127. spa\_\_\_\_\_ft launch *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
128. c\_\_t a ballot *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
129. sp\_\_\_\_\_ht effect *n.* a beam of light used to illuminate a particular area or person
130. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
131. for\_\_\_\_\_le challenge *adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

ANSWERS: 123. thumb, 124. harbor, 125. destroy, 126. ozone, 127. spacecraft, 128. cast, 129. spotlight, 130. detect, 131. formidable

132. oc\_\_\_t knowledge

*adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

ANSWERS: 132. occult

## Session 3: Fill in the Blanks

1. He was the leader of the demonstrators and spoke out against the war in the front \_\_\_\_.  
*n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
2. The \_\_\_\_\_ virus has caused a global pandemic.  
*n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape
3. The sun's \_\_\_\_ shone through the window and illuminated the room.  
*n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
4. A well-known artist painted this lovely lady's \_\_\_\_\_.  
*n.* a painting, picture; the likeness of a person, especially one showing the face
5. The passenger grabbed for the \_\_\_\_\_ mask.  
*n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
6. He found \_\_\_\_\_ in the works of his favorite authors.  
*n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
7. 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. row, 2. corona, 3. beam, 4. portrait, 5. oxygen, 6. inspiration, 7. engineer

8. She is interested in practicing \_\_\_\_\_ rituals.

*adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

9. The hunter's approach \_\_\_\_\_ the geese.

*v.* to cause to separate and go in different directions

10. The flag slowly \_\_\_\_\_ in the wind atop the flagpole.

*v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed

11. She turned \_\_\_\_\_ when she heard the news.

*adj.* having skin that is very light colored; lacking in vitality or interest or effectiveness

12. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.

*adj.* relating to Jupiter or its characteristics

13. People across the country gathered to watch the solar \_\_\_\_\_ in wonder and amazement.

*n.* an obscuring of one celestial body by another, often used to describe a lunar or solar eclipse; a period of obscurity or decline, often used to describe a decline in popularity or influence; (verb) to surpass, overshadow, or outshine someone or something

14. The Milky Way \_\_\_\_\_ has numerous water-bearing planets.

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

ANSWERS: 8. occult, 9. scattered, 10. unfurled, 11. pale, 12. Jovian, 13. eclipse, 14. galaxy

15. The security camera has \_\_\_\_\_ four intruders.  
*v.* to find or recognize something, especially something difficult to see, hear, etc.
16. The scratches on the car \_\_\_\_\_ its otherwise perfect appearance.  
*v.* to damage or spoil the appearance or surface of something
17. The treatments were done but, \_\_\_\_\_ were unsuccessful.  
*adv.* by bad luck; unluckily
18. He used his right \_\_\_\_\_ to press the button on his phone.  
*n.* the short, thick digit of the hand next to the index finger; (verb) to travel by getting free rides from motorists
19. The singer was in the \_\_\_\_\_ as she performed her hit song.  
*n.* a beam of light used to illuminate a particular area or person
20. The camera's focus was off, and the image was a \_\_\_\_\_ of colors and shapes.  
*n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
21. The botany field is concerned with studying the structure of plant \_\_\_\_\_.  
*n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts
22. The organizational \_\_\_\_\_ of start-ups is often flat and straightforward.  
*n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
23. The city \_\_\_\_\_ with traffic on holiday.  
*v.* to be abuzz; to move in large numbers; to fall heavily

ANSWERS: 15. detected, 16. marred, 17. unfortunately, 18. thumb, 19. spotlight, 20. blur, 21. petals, 22. structure, 23. teems



24. The human-crewed \_\_\_\_\_ successfully landed on the moon, fulfilling its mission.
- n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
25. The class was composed of both \_\_\_\_\_ and graduate students.
- n.* a student who is studying for their first degree at a university or other higher education institution
26. The golfer recorded an \_\_\_\_\_ distance.
- adj.* extremely surprising, especially in a way that you like or admire
27. The content is \_\_\_\_\_ and informative for me.
- adj.* sharply exact or accurate or delimited
28. The tsunami swamped every boat in the \_\_\_\_\_.
- n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession
29. The band was \_\_\_\_\_ out old songs in response to audience requests.
- v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
30. The company's new CEO was known for his \_\_\_\_\_ personality.
- n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy
31. The more \_\_\_\_\_ you are, the more people around you look at you with envy and jealousy.
- adj.* extremely clever, skilled, or impressive

ANSWERS: 24. spacecraft, 25. undergraduate, 26. amazing, 27. precise, 28. harbor, 29. belting, 30. alpha, 31. brilliant

32. 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

33. Animal protection groups call for an end to animal testing in a \_\_\_\_\_.

- n.* a workplace for doing scientific research or teaching science; a lab

34. Truth is stranger than \_\_\_\_\_.

- n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

35. I decided to seek counseling on the advice of my \_\_\_\_\_.

- n.* one of a group of a coworker, especially in a profession or a business

36. The Earth \_\_\_\_\_ on its axis once every 24 hours.

- v.* to turn around a central point or axis; to move in a circular path around something

37. The tree cast a \_\_\_\_\_ over the picnic area, providing relief from the sun.

- n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner

38. We must \_\_\_ ourselves of pollution.

- v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

39. The \_\_\_ light made it difficult to read the book.

- adj.* poorly lit; not bright

ANSWERS: 32. universe, 33. laboratory, 34. fiction, 35. colleague, 36. rotates, 37. shadow, 38. rid, 39. dim

40. The rocket engine is used to put the satellite into \_\_\_\_\_.
- 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
41. The spacecraft's \_\_\_\_\_ system helped it travel through space.
- n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
42. The high-technology industry is enjoying a \_\_\_\_\_.
- n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
43. The \_\_\_\_\_ pattern of the light passing through the prism was a beautiful rainbow of colors.
- n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones
44. The astronaut trained for years before embarking on her \_\_\_\_\_ to the International Space Station.
- n.* a long journey, especially by sea or in space
45. This airport has taken the first step to become an international \_\_\_\_\_ airport.
- n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes
46. The \_\_\_\_\_ layer is vital for blocking some harmful sun rays.
- n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell

ANSWERS: 40. orbit, 41. propulsion, 42. boom, 43. diffraction, 44. voyage, 45. hub, 46. ozone

47. \_\_\_\_\_ the bandage tightly around the injured arm.  
*v.* to cover or enclose something entirely with paper, cloth, or other material
48. Jet \_\_\_\_\_ are the common name for air currents that form high in the atmosphere.  
*n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
49. The scientist found \_\_\_\_\_ traces of the chemical in the water sample.  
*adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
50. We need to \_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.  
*v.* to force, take, or pull apart; mark as different
51. This country \_\_\_\_\_ its weapons in the east region.  
*v.* to move troops or weapons into a position or military action; to bring into something in an effective way
52. This facility has the largest astronomical \_\_\_\_\_ in the country.  
*n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
53. Wild animals need to go forward with the \_\_\_\_\_ action to survive.  
*adj.* the best; most likely to be successful or advantageous
54. The mountain range was a \_\_\_\_\_ obstacle for the hikers.  
*adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

ANSWERS: 47. Wrap, 48. streams, 49. residual, 50. separate, 51. deployed, 52. telescope, 53. optimal, 54. formidable

55. 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

56. The navy \_\_\_\_\_ ships of defeated nations.

- v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

57. The building was \_\_\_\_\_ in the fire and had to be rebuilt.

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

58. This company \_\_\_\_\_ its battery problem completely.

- v.* to find a suitable answer to the problems or difficulty

59. The CEO \_\_\_\_\_ expressed her disappointment with the project's progress.

- adv.* not going straight to the point; implying or suggesting something

60. He \_\_\_\_\_ when he heard that he had been accepted into the university.

- v.* to turn over into a different position quickly; to throw or toss with a light motion

61. He moved his body \_\_\_\_\_ to the left.

- adv.* in a small degree or extent; a little

62. He \_\_\_\_\_ that this investment would lead to success.

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

63. This accident \_\_\_\_\_ a dark shadow over their lives.

- v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

ANSWERS: 55. planet, 56. interned, 57. destroyed, 58. resolves, 59. indirectly, 60. flipped, 61. slightly, 62. speculated, 63. cast

64. The wallpaper had a pattern of pink \_\_\_\_\_ on a white surface.

*n.* a very small circular mark, especially one that is printed

65. This question has fascinated solar \_\_\_\_\_ for decades.

*n.* a physicist who studies astronomy

66. The \_\_\_\_ flew over the ocean at high speed, reaching its destination in hours.

*n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances

ANSWERS: 64. dots, 65. astronomers, 66. jet