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Vocabulary Builder Reference from...

Jon Nguyen: Tour the solar system from home | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

fascinate

v. to attract and hold the attention of someone deeply and irresistibly

synonym: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

nova

n. a star that suddenly becomes brighter, typically because of an explosion in its interior; a sudden increase or burst of activity or growth

synonym: supernova, exploding star, nova remnant

(1) **nova** explosion, (2) **nova** star

The astronomer spent months studying the **nova's** light spectrum to learn more about its properties.

astronomy

n. the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

synonym: astrophysics, stargazing, cosmology

(1) **astronomy** science, (2) a branch of **astronomy**

He had a deep passion for extragalactic **astronomy** and spent hours observing the night sky.

combination

n. a collection of things that have been combined; an assemblage of separate parts or qualities

synonym : blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

inspire

v. to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

synonym : boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

pursue

v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

synonym : seek, hunt, chase

(1) **pursue** a goal, (2) **pursue** freedoms

She intends to **pursue** a political career.

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.

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.

graduated

adj. having received a degree from a school, college, or university; marked with or divided into levels or degrees

synonym : completed, finished, earned

(1) **graduated** taxation, (2) **graduated** flask

She was a **graduated** student of a prestigious university.

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**.

visualize

v. to form a mental image or concept of something; to make something visible

synonym : imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

keyboard

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

synonym : console, piano

(1) numeric **keyboard**, (2) **keyboard** instruments

Please strike the "enter" on the **keyboard**.

spin

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

synonym : rotate, twirl, swirl

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

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

opposition

n. the act of disagreeing or resisting; the state of strong disagreement

synonym : resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

backyard

n. a whole space behind and belonging to a house

synonym : courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

interface

n. (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

synonym : junction, surface, UI

(1) **interface** between gas and liquid, (2) the user **interface**

Detergent weakens the surface tension at the **interface** of two liquids.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

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**.

military

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

synonym : armed, martial, warlike

(1) a **military** operation, (2) a **military** leader

The **military** academy was known for its strict discipline and training.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

reconnaissance

n. a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information

synonym : exploration, survey, examination

(1) aerial **reconnaissance**, (2) do **reconnaissance** work
The **reconnaissance** mission revealed the enemy's position.

mess

n. a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

synonym: disarray, confusion, predicament

(1) have a whole **mess**, (2) get into a **mess**

He made a frightful **mess** in his room.

slide

v. to move or cause to move smoothly along a surface without interruption

synonym: glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

jog

v. to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose

synonym: run, sprint, trot

(1) **jog** in place, (2) **jog** my memory

She decided to **jog** around the park to clear her head.

dial

v. to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called

synonym: adjust, set, turn

(1) **dial** up the volume, (2) **dial** down the tension

He **dialed** the phone number and waited for an answer.

shuttle

n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

synonym: ferry, transport, convey

(1) space **shuttle**, (2) **shuttle** service

The **shuttle** bus will take you to the airport in 15 minutes.

sunset

n. the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period

synonym : evening, sundown, dusk

(1) **sunset** this function, (2) spectacular **sunset** views
He is in the **sunset** of his life.

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.

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.

launch

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

synonym : start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack

The company is set to **launch** its new product line next month.

cruise

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

synonym : sail, voyage, journey

(1) the **cruise** line, (2) adaptive **cruise** control

The family took a **cruise** to the Caribbean for their vacation.

dawn

n. the time of day when the sun's light starts to show in the sky

synonym : daybreak, sunrise, advent

(1) the wan light of **dawn**, (2) crack of **dawn**
Missile assaults on the capital continued around **dawn**.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym : linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

mention

v. to speak or write about something or someone briefly

synonym : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

perception

n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

synonym : understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus

He is a man admired for the depth of his **perception**.

robotic

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

synonym : automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

grant

v. to agree to give or allow somebody

synonym : allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land

The chairperson **granted** him the right to speak.

rot

v. to decay, or cause something to decay, naturally and gradually

synonym : perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

tilt

v. to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side

synonym : incline, slant, lean

(1) on the **tilt**, (2) **tilt** a chair

She **tilted** her head to the side, indicating she was listening.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym : level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

destination

n. the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action

synonym : location, endpoint, target

(1) travel **destination**, (2) romantic **destinations**

I am excited to reach my **destination** and explore the new city finally.

tab

n. a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill

synonym : tag, label, marker

(1) split a dinner **tab**, (2) open a **tab**

He kept a **tab** on his expenses by writing them down in a notebook.

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.

titanic

adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

synonym : colossal, massive, immense

(1) **titanic** battle, (2) **titanic** compound

The **titanic** ship sank on its maiden voyage.

flyby

n. a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit

synonym : passby, flyover, whizz by

(1) **flyby** mission, (2) a five-plane **flyby**

The spacecraft will conduct a **flyby** of the moon to gather data.

pause

v. to take a short break from talking or doing something before continuing

synonym : halt, break, intermit

(1) **pause** a moment, (2) **pause** for a reaction

The man **paused** before opening the door.

vastness

n. the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

synonym : immensity, enormity, vastitude

(1) limitless **vastness**, (2) scenic **vastness**

The **vastness** of the ocean was awe-inspiring and humbling.

hazy

adj. not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something

synonym : blurred, clouded, foggy

(1) **hazy** dream, (2) **hazy** atmosphere

My memories of the holiday were **hazy**.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial

atmosphere

The spaceship began to burn up as it approached the Earth's **atmosphere**.

interactive

adj. acting reciprocally; mutually responsive

synonym : reciprocal, responsive, mutual

(1) **interactive** experience, (2) an **interactive** device

The new video game has an **interactive** storyline that allows players to make choices that affect the game's outcome.

underneath

adv. under or below something else

synonym : below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath** the laughter

The penny fell **underneath** the piano.

grab

v. to take hold of something or someone suddenly with a hand, especially in a violent way

synonym : clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity

Shall we **grab** a bite to eat?

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.

fling

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

synonym : throw, dump, hurl

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

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym: control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**

Please tell me how to **manipulate** this computer.

grasp

v. to take hold of something or someone quickly and firmly

synonym: grab, clasp, grip

(1) **grasp** his hand, (2) **grasp** a chance

They spent a lot of time trying to **grasp** the current situation.

stem

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

synonym: branch, limb, (verb) come from

(1) **stem** from a belief, (2) the **stem** of a matchstick

A rose has thorns on its **stem**.

Session 2: Spelling

1. Jo___n planet *adj.* relating to Jupiter or its characteristics
2. get into a m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
3. scenic va_____ss *n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
4. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
5. gr_____ed flask *adj.* having received a degree from a school, college, or university; marked with or divided into levels or degrees
6. 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
7. alien spa_____ft *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
8. Jo___n satellites *adj.* relating to Jupiter or its characteristics
9. gr__p a chance *v.* to take hold of something or someone quickly and firmly
10. commercial 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

ANSWERS: 1. Jovian, 2. mess, 3. vastness, 4. degree, 5. graduated, 6. jet, 7. spacecraft, 8. Jovian, 9. grasp, 10. jet

11. g__b an opportunity *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
12. the user in_____ce *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
13. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
14. fa_____te the young *v.* to attract and hold the attention of someone deeply and irresistibly
15. in_____ce between gas and liquid *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
16. split a dinner t_b *n.* a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill
17. spa_____ft launch *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
18. la___h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
19. ba_____rd barbecue *n.* a whole space behind and belonging to a house

ANSWERS: 11. grab, 12. interface, 13. rot, 14. fascinate, 15. interface, 16. tab, 17. spacecraft, 18. launch, 19. backyard

20. und_____th the laughter *adv.* under or below something else
21. pa__e for a reaction *v.* to take a short break from talking or doing something before continuing
22. a mi_____ry operation *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
23. a branch of as_____my *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
24. spectacular su____t views *n.* the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period
25. n__a star *n.* a star that suddenly becomes brighter, typically because of an explosion in its interior; a sudden increase or burst of activity or growth
26. d__l down the tension *v.* to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
27. t__t a chair *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
28. do rec_____nce work *n.* a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information

ANSWERS: 20. underneath, 21. pause, 22. military, 23. astronomy, 24. sunset, 25. nova, 26. dial, 27. tilt, 28. reconnaissance

29. 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
30. m_r the reputation *v.* to damage or spoil the appearance or surface of something
31. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
32. ti____c battle *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
33. pu____e freedoms *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
34. gr__t a new license *v.* to agree to give or allow somebody
35. j_g my memory *v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose
36. ti____c compound *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

ANSWERS: 29. orbit, 30. mar, 31. spin, 32. titanic, 33. pursue, 34. grant, 35. jog, 36. titanic

37. h__y atmosphere *adj.* not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
38. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
39. gra_____nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
40. have a whole m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
41. an int_____ve device *adj.* acting reciprocally; mutually responsive
42. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
43. the cr___e line *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
44. pu___e a goal *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
45. space sh_____e *n.* a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
46. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
47. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities

ANSWERS: 37. hazy, 38. straight, 39. gravitational, 40. mess, 41. interactive, 42. laboratory, 43. cruise, 44. pursue, 45. shuttle, 46. combination, 47. combination

48. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
49. travel des_____on *n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
50. man_____te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
51. j_g in place *v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose
52. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
53. g__b an audience *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
54. vulnerable to man_____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
55. gr__p his hand *v.* to take hold of something or someone quickly and firmly
56. a five-plane fl__y *n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit

ANSWERS: 48. satellite, 49. destination, 50. manipulate, 51. jog, 52. slide, 53. grab, 54. manipulate, 55. grasp, 56. flyby

57. me_____n name *v.* to speak or write about something or someone briefly
58. ro_____c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
59. take a vo_____e *n.* a long journey, especially by sea or in space
60. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
61. me_____n in a report *v.* to speak or write about something or someone briefly
62. adaptive cr_____e control *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
63. a vo_____e of discovery *n.* a long journey, especially by sea or in space
64. in_____e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
65. in_____e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
66. the s____m of a matchstick *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
67. int_____ve experience *adj.* acting reciprocally; mutually responsive

ANSWERS: 57. mention, 58. robotic, 59. voyage, 60. fascinate, 61. mention, 62. cruise, 63. voyage, 64. inspire, 65. inspire, 66. stem, 67. interactive

68. 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
69. numeric ke____rd *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
70. gra_____nal waves *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
71. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
72. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
73. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
74. 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
75. la____h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 68. orbit, 69. keyboard, 70. gravitational, 71. communicate, 72. communicate, 73. statistics, 74. planet, 75. launch

76. ke____rd instruments *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
77. nuclear pro_____on *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
78. romantic des_____ons *n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
79. play in the ba____rd *n.* a whole space behind and belonging to a house
80. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
81. 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
82. on the t__t *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
83. fl__g a stream of abuse *v.* to throw or push something or someone with force or recklessness, especially because you are angry
84. a convivial atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 76. keyboard, 77. propulsion, 78. destination, 79. backyard, 80. opposition, 81. planet, 82. tilt, 83. fling, 84. atmosphere

85. und_____th the surface of the water
adv. under or below something else
86. pa__e a moment
v. to take a short break from talking or doing something before continuing
87. bachelor's de___e
n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
88. gr_____ed taxation
adj. having received a degree from a school, college, or university; marked with or divided into levels or degrees
89. fl__y mission
n. a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
90. h__y dream
adj. not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
91. sh_____e service
n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
92. m_r a proper relationship
v. to damage or spoil the appearance or surface of something
93. anthropology lab_____ry
n. a workplace for doing scientific research or teaching science; a lab
94. opp_____on campaign
n. the act of disagreeing or resisting; the state of strong disagreement
95. limitless va_____ss
n. the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

ANSWERS: 85. underneath, 86. pause, 87. degree, 88. graduated, 89. flyby, 90. hazy, 91. shuttle, 92. mar, 93. laboratory, 94. opposition, 95. vastness

96. ro____c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
97. a mi____ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
98. su____t this function *n.* the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period
99. sl__e a glance *v.* to move or cause to move smoothly along a surface without interruption
100. s__m from a belief *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
101. a meteorological sa____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
102. official sta____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
103. d__l up the volume *v.* to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called

ANSWERS: 96. robotic, 97. military, 98. sunset, 99. slide, 100. stem, 101. satellite, 102. statistics, 103. dial

104. crack of d__n *n.* the time of day when the sun's light starts to show in the sky
105. as_____my science *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
106. open a t_b *n.* a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill
107. fl__g a door open forcefully *v.* to throw or push something or someone with force or recklessness, especially because you are angry
108. per_____on of a stimulus *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
109. carbon dioxide in the atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
110. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
111. n__a explosion *n.* a star that suddenly becomes brighter, typically because of an explosion in its interior; a sudden increase or burst of activity or growth
112. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

ANSWERS: 104. dawn, 105. astronomy, 106. tab, 107. fling, 108. perception, 109. atmosphere, 110. straight, 111. nova, 112. spin

113. pro_____on technology *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
114. keen per_____on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
115. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
116. gr__t a land *v.* to agree to give or allow somebody
117. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
118. the wan light of d__n *n.* the time of day when the sun's light starts to show in the sky
119. aerial rec_____nce *n.* a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information
120. r_t with age *v.* to decay, or cause something to decay, naturally and gradually

ANSWERS: 113. propulsion, 114. perception, 115. visualize, 116. grant, 117. visualize, 118. dawn, 119. reconnaissance, 120. rot

Session 3: Fill in the Blanks

1. He made a frightful _____ in his room.
 - n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

2. She decided to _____ around the park to clear her head.
 - v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose

3. The scratches on the car _____ its otherwise perfect appearance.
 - v.* to damage or spoil the appearance or surface of something

4. Detergent weakens the surface tension at the _____ of two liquids.
 - n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

5. 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

6. He had a deep passion for extragalactic _____ and spent hours observing the night sky.
 - n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

7. She intends to _____ a political career.
 - v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

ANSWERS: 1. mess, 2. jog, 3. marred, 4. interface, 5. orbit, 6. astronomy, 7. pursue

8. He was provoked to _____ the draft on the floor.
v. to throw or push something or someone with force or recklessness, especially because you are angry
9. The magic tricks _____ the children.
v. to attract and hold the attention of someone deeply and irresistibly
10. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
11. The _____ mission revealed the enemy's position.
n. a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information
12. He kept a ____ on his expenses by writing them down in a notebook.
n. a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill
13. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab
14. The _____ moon Europa is believed to have an ocean beneath its icy surface.
adj. relating to Jupiter or its characteristics
15. The _____ bus will take you to the airport in 15 minutes.
n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

ANSWERS: 8. fling, 9. fascinated, 10. combination, 11. reconnaissance, 12. tab, 13. laboratory, 14. Jovian, 15. shuttle

16. My memories of the holiday were _____.

adj. not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something

17. The family took a _____ to the Caribbean for their vacation.

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

18. Dolphins use sound to _____ with each other.

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

19. Please refrigerate the meat, or it will ____.

v. to decay, or cause something to decay, naturally and gradually

20. The _____ demonstrate that poverty and unemployment are genuine problems.

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

21. The _____ party strongly disagreed with the government's proposed legislation.

n. the act of disagreeing or resisting; the state of strong disagreement

22. 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

23. Shall we ____ a bite to eat?

v. to take hold of something or someone suddenly with a hand, especially in a violent way

ANSWERS: 16. hazy, 17. cruise, 18. communicate, 19. rot, 20. statistics, 21. opposition, 22. spacecraft, 23. grab

24. The man _____ before opening the door.

- v.* to take a short break from talking or doing something before continuing

25. Please strike the "enter" on the _____.

- n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

26. If necessary, you can _____ the front seats forward.

- v.* to move or cause to move smoothly along a surface without interruption

27. He is in the _____ of his life.

- n.* the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period

28. The tornado is _____ across the countryside, destroying everything in its path.

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

29. The _____ of the ocean was awe-inspiring and humbling.

- n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

30. The new video game has an _____ storyline that allows players to make choices that affect the game's outcome.

- adj.* acting reciprocally; mutually responsive

31. She tried to _____ the layout of the new house in her mind.

- v.* to form a mental image or concept of something; to make something visible

ANSWERS: 24. paused, 25. keyboard, 26. slide, 27. sunset, 28. spinning, 29. vastness, 30. interactive, 31. visualize

32. 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
33. I am excited to reach my _____ and explore the new city finally.
- n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
34. He _____ the phone number and waited for an answer.
- v.* to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
35. 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
36. The spacecraft will conduct a _____ of the moon to gather data.
- n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
37. He grows vegetables in his _____.
- n.* a whole space behind and belonging to a house
38. The astronaut trained for years before embarking on her _____ to the International Space Station.
- n.* a long journey, especially by sea or in space
39. The astronomer spent months studying the _____ light spectrum to learn more about its properties.
- n.* a star that suddenly becomes brighter, typically because of an explosion in its interior; a sudden increase or burst of activity or growth

ANSWERS: 32. jet, 33. destination, 34. dialed, 35. propulsion, 36. flyby, 37. backyard, 38. voyage, 39. nova's

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

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

41. The penny fell _____ the piano.

adv. under or below something else

42. I _____ to him that I had seen his sister at the grocery store earlier that day.

v. to speak or write about something or someone briefly

43. She _____ her head to the side, indicating she was listening.

v. to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side

44. 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

45. A rose has thorns on its _____.

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

46. She received her _____ in psychology from the university.

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

47. The surgeon removed the tumor using _____ video assistance.

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 40. gravitational, 41. underneath, 42. mentioned, 43. tilted, 44. planet, 45. stem, 46. degree, 47. robotic

48. The _____ ship sank on its maiden voyage.

adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

49. She was a _____ student of a prestigious university.

adj. having received a degree from a school, college, or university; marked with or divided into levels or degrees

50. They spent a lot of time trying to _____ the current situation.

v. to take hold of something or someone quickly and firmly

51. The _____ academy was known for its strict discipline and training.

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

52. Launching an artificial _____ contributed to the technological development of our country.

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

53. Missile assaults on the capital continued around _____.

n. the time of day when the sun's light starts to show in the sky

54. The spaceship began to burn up as it approached the Earth's _____.

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

55. The unique style of this martial arts _____ many action film producers.

v. to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

ANSWERS: 48. titanic, 49. graduated, 50. grasp, 51. military, 52. satellite, 53. dawn, 54. atmosphere, 55. inspired

56. The chairperson _____ him the right to speak.

v. to agree to give or allow somebody

57. He is a man admired for the depth of his _____.

n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

58. Please tell me how to _____ this computer.

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

59. The company is set to _____ its new product line next month.

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

60. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

ANSWERS: 56. granted, 57. perception, 58. manipulate, 59. launch, 60. straight