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Vocabulary Builder Reference from...

Will Marshall: Tiny satellites show us the Earth as it changes in near-real-time | TED Talk

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

All Words

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Session 1: Word List

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

astronaut

n. a person trained by a space agency to travel outside the Earth's atmosphere

synonym: spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

hurtle

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

synonym: throw, hurl, fling

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

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

icon

n. a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

synonym : figure, hero, idol

(1) **icon** for young people, (2) television **icon**

Some comic book characters are considered gay **icons**.

galvanize

v. to stimulate or shock someone into taking action; to cover metal containing zinc to protect it from rust

synonym : energize, invigorate, motivate

(1) **galvanize** steel, (2) **galvanize** the country

The motivational speech **galvanized** the team and gave them the drive to succeed.

spaceship

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

synonym : starship, rocket, spacecraft

(1) a **spaceship** to survey the moon, (2) alien **spaceship**

They launched a crewless **spaceship** into space.

fragile

adj. delicate or easily broken or damaged

synonym : delicate, brittle, breakable

(1) politically **fragile** nation, (2) **fragile** ecosystem

The vase was made of **fragile** ceramic and easily broke when it was dropped.

finite

adj. having a limit or restriction of size, time, etc.

synonym : delimited, defined, limited

(1) **finite** resources, (2) **finite** decimal

Human beings have a **finite** lifespan, so we yearn for the idea of immortality.

static

adj. not moving or not capable of moving, not changing or not capable of changing

synonym : immobile, unchanging, fixed

(1) **static** electricity, (2) **static** website

The **static** image on the screen took a lot of work to make out.

constantly

adv. all the time

synonym : continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

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.

imagery

n. the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

synonym : metaphors, symbolism, imaging

(1) visual **imagery**, (2) satellite **imagery**

This movie is famous for its romantic **imagery**.

typical

adj. having the usual characteristics or traits of a specific group of things

synonym : characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

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.

weigh

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

synonym: consider, cogitate, count

(1) **weigh** heavily on stock prices, (2) **weigh** a cargo

The baby **weighs** 1 pound 3 oz.

rocket

n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

synonym: projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel

The **rocket** launch platform is visible from this hill.

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.

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.

regularly

adv. at regular intervals or times

synonym: repeatedly, routinely, usually

(1) **regularly** arranged, (2) post **regularly** to a blog

This site **regularly** shares high-quality academic materials.

scalable

adj. capable of being easily expanded or increased in size, number, or scale to meet changing demands

synonym: expandable, flexible, adjustable

(1) **scalable** solution, (2) dynamically **scalable**

The company's new software is highly **scalable**, allowing it to handle increasing number of users.

compact

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

synonym: packed, tight, consolidated

(1) a **compact** camera, (2) extremely **compact** device

Two countries acted together as if by **compact**.

centimeter

n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

(1) **centimeter** measurement, (2) thirty **centimeters** tall

The room was only one **centimeter** wider than the piano, making it a tight fit.

electron

n. a tiny particle with the negative electrical charge

synonym: negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym: determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym: abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

dive

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

synonym: dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

normally

adv. usually; under normal conditions

synonym: commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

prey

n. the object of a hunt; an animal hunted or trapped for eating

synonym: target, quarry, chase

(1) **prey** of beast, (2) become **prey** to terrorists

The majority of snakes swallow their **prey** whole.

eagle

n. a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures

synonym: bird of prey, raptor

(1) **eagle** feathers, (2) **eagle** eyes

The bald **eagle** symbolizes freedom and strength in the United States.

hawk

n. a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations

synonym: militarist, jingo, aggressor

(1) cast off a **hawk**, (2) congressional **hawk**

That team signed a center forward who was a ball- **hawk**.

swoop

v. to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or

pounce upon

synonym : dart, pounce

(1) **swoop** down the water slide, (2) **swoop** up the escalator

The eagle **swooped** down from the sky to catch its prey.

kestrel

n. a small bird of prey (= a bird that kills and eats other creatures) of the falcon family

(1) European **kestrel**, (2) an ideal habitat for **kestrels**

A **kestrel** swooped down and caught prey.

humanitarian

adj. something relating to the promotion of human welfare or someone who works to promote human welfare

synonym : philanthropic, compassionate, caring

(1) **humanitarian** crisis, (2) a truly **humanitarian** act

The organization is dedicated to providing **humanitarian** aid to disaster-stricken areas worldwide.

garage

n. a building or part of a building used to store a vehicle or vehicles, typically a car

synonym : carport, shed, barn

(1) electrical **garage** door, (2) **garage** repair

He parked his car in the private **garage**.

prototype

n. a first or preliminary example of something such as a device or vehicle from which other forms are developed

synonym : mock-up, precursor, model

(1) complete a **prototype** product, (2) early **prototype**

The flying car is presently in the **prototype** stage.

norm

n. something that is regarded as usual, typical, or standard

synonym : criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

silicon

n. a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

(1) **silicon** wafer, (2) crystalline **silicon**

Silicon is the second most abundant element on earth after oxygen.

valley

n. a long depression on the surface of the land, which typically contains a river

synonym: canyon, gorge, dale

(1) **valley** bottom, (2) basin-shaped **valley**

The **valley** had received a mild snowfall the previous week.

release

v. to set free or allow to escape from confinement

synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

software

n. a set of computer programs and associated documentation and data for doing particular computational jobs

synonym: program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

manufacture

v. to make goods in large numbers, usually in a factory using machines

synonym: create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product

The majority of synthetic vitamins are **manufactured** from oil.

modern

adj. of or belonging to the present time or recent times

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

technique

n. a particular way or art of doing something that needs skill

synonym: approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

agile

adj. able to move quickly and easily, often in a way that is graceful and controlled

synonym: nimble, quick, flexible

(1) an **agile** mind, (2) **agile** in his movements

The **agile** development process allowed the team to make changes quickly.

aerospace

adj. pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it

synonym: aeronautical, space, aviation

(1) **aerospace** engineering, (2) **aerospace** and defense industry

NASA is an **aerospace** organization that explores space and improves aviation technology.

bond

n. a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money

synonym: bind, adhesion, attachment

(1) **bond** as a family, (2) global **bond** market

They had formed a friendship **bond**.

democracy

n. a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

synonym: self-government, republic, commonwealth

(1) **democracy** advocate, (2) principles of **democracy**

Democracy often entails inclusive capitalism as well.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym : country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

confer

v. to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

synonym : consult, meet, discuss

(1) **confer** degree, (2) **confer** honor

The leaders of the two countries met to **confer** on the issue.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym : evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

climate

n. the weather in a particular location averaged over some long period

synonym : atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

geek

n. a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed

synonym : nerd, dork, enthusiast

(1) airplane **geek**, (2) **geek** enthusiast

He was a computer **geek** and spent all his free time coding.

animation

n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

synonym : motion, movement, liveliness

(1) **animation** studio, (2) **animation** film

The **animation** of the characters in the movie was so realistic, and it was as if they were there.

array

n. a large group or collection of things or people, especially one that is impressive or attractive

synonym : collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

glint

v. to shine or sparkle with a brief, sudden light; to give a glimpse or hint of something; (noun) a quick or sudden flash of light, often reflecting off a surface

synonym : sparkle, shimmer, twinkle

(1) **glint** coldly, (2) a **glint** in his eye

The sun **glinted** off the water, creating a dazzling display of light.

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**.

constellation

n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

synonym : asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern **constellation**

Navigators still use the Little Bear **constellation** at sea.

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**.

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**.

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.

scan

v. to examine something hastily, with the eyes or with a machine, to get information

synonym : look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF

She stood on the podium and **scanned** an audience.

initial

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

synonym : basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

publicly

adv. in a manner accessible to or observable by the public; by the government

synonym: candidly, openly, honestly

(1) **publicly** accessible record, (2) **publicly** financed schools

She **publicly** denounced the government's mishandling of the economic crisis.

urban

adj. relating to or located in a town or city

synonym: metropolitan, civic

(1) **urban** planning, (2) **urban** property owners

Only a small number of **urban** utilities offer sanitation services.

extent

n. the point or degree or area to which something extends

synonym: amount, degree, intensity

(1) certain **extent**, (2) the **extent** of the damage

I was amazed at the **extent** of her generosity.

crop

n. a plant that is cultivated in large amounts, particularly for food

synonym: output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

yield

n. the total output of crops, profits, etc. that are produced;
(verb) to produce or supply helpful something, such as a profit, an amount of food, or information

synonym: proceeds, harvest, output

(1) corn **yield**, (2) the **yield** on the bond

The company's stock gives a high **yield**.

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.

deforest

v. to clear an area of forest or trees
synonym: clear-cut, strip, denude

(1) **deforest** a mountain, (2) **deforest** millions of acres

The company planned to **deforest** a large rainforest area to make way for a new plantation.

melt

v. to turn from something solid into something soft or liquid as a result of heating
synonym: disintegrate, soften, disappear

(1) **melt** the ice, (2) **melt** down gold

Her resistance **melted** under his persuasion.

flood

n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount
synonym: deluge, downpour, overflow

(1) **flood** advisory, (2) a **flood** of questions

These heavy rains caused flash **floods** on several islands.

earthquake

n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
synonym: seismic activity, tremor, temblor

(1) an **earthquake** zone, (2) an **earthquake-proof**

The violent **earthquake** caused widespread damage and injuries throughout the region.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
synonym: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta

for dinner.

universal

adj. existing or affecting everywhere or everyone

synonym : common, broad, worldwide

(1) **universal** life, (2) principles of **universal** design

The picture earned near- **universal** acclaim from critics.

empower

v. to give someone the power or authority to do something

synonym : authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

journalist

n. a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media

synonym : reporter, newsperson, press

(1) a China-based **journalist**, (2) **journalist** on a magazine

Foreign TV crews and **journalists** can go as they please in various locations during the Olympics.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym : collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

app

n. (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

synonym : application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay

the **app's** release.

entirely

adv. completely

synonym : completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

invite

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

synonym : ask, request, summon

(1) **invite** guests, (2) **invite** criticism

We want to **invite** you to our annual charity event.

Session 2: Spelling

1. a fl__d of questions
n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount
2. st___c electricity
adj. not moving or not capable of moving, not changing or not capable of changing
3. man_____re an enzyme
v. to make goods in large numbers, usually in a factory using machines
4. an ear_____ke zone
n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
5. cultural n__m
n. something that is regarded as usual, typical, or standard
6. am_____g advances
adj. extremely surprising, especially in a way that you like or admire
7. 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
8. st___c website
adj. not moving or not capable of moving, not changing or not capable of changing
9. effects of cl_____e change
n. the weather in a particular location averaged over some long period
10. the yi__d on the bond
n. the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

ANSWERS: 1. flood, 2. static, 3. manufacture, 4. earthquake, 5. norm, 6. amazing, 7. orbit, 8. static, 9. climate, 10. yield

11. cen_____er measurement *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
12. hu___e into a tunnel *v.* to move quickly and forcefully, especially in an uncontrolled or dangerous way
13. ea__e eyes *n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures
14. killer a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
15. hum_____ian crisis *adj.* something relating to the promotion of human welfare or someone who works to promote human welfare
16. 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
17. fr_____e ecosystem *adj.* delicate or easily broken or damaged
18. si_____n wafer *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
19. post re_____ly to a blog *adv.* at regular intervals or times

ANSWERS: 11. centimeter, 12. hurtle, 13. eagle, 14. app, 15. humanitarian, 16. boom, 17. fragile, 18. silicon, 19. regularly

20. pu____ly accessible record *adv.* in a manner accessible to or observable by the public; by the government
21. visual im____y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events
22. politically fr____e nation *adj.* delicate or easily broken or damaged
23. dynamically sc____le *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
24. m__t the ice *v.* to turn from something solid into something soft or liquid as a result of heating
25. ur__n planning *adj.* relating to or located in a town or city
26. early pr____pe *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
27. complete no____ly *adv.* usually; under normal conditions
28. in____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
29. beam of el____ons *n.* a tiny particle with the negative electrical charge
30. an ag__e mind *adj.* able to move quickly and easily, often in a way that is graceful and controlled
31. as____ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere

ANSWERS: 20. publicly, 21. imagery, 22. fragile, 23. scalable, 24. melt, 25. urban, 26. prototype, 27. normally, 28. initial, 29. electron, 30. agile, 31. astronaut

32. an_____on studio *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
33. a two-dimensional ar__y *n.* a large group or collection of things or people, especially one that is impressive or attractive
34. congressional h__k *n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations
35. g__k enthusiast *n.* a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed
36. gl__t coldly *v.* to shine or sparkle with a brief, sudden light; to give a glimpse or hint of something; (noun) a quick or sudden flash of light, often reflecting off a surface
37. ro___t attack against the enemy *n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
38. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
39. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

ANSWERS: 32. animation, 33. array, 34. hawk, 35. geek, 36. glint, 37. rocket, 38. scan, 39. decide

40. en____ly satisfied with the meal *adv.* completely
41. de_____cy advocate *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
42. fl__d advisory *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
43. b__d as a family *n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money
44. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
45. European ke_____l *n.* a small bird of prey (= a bird that kills and eats other creatures) of the falcon family
46. a con_____ly varying mind *adv.* all the time
47. television i__n *n.* a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file
48. a China-based jou_____st *n.* a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media

ANSWERS: 40. entirely, 41. democracy, 42. flood, 43. bond, 44. introduction, 45. kestrel, 46. constantly, 47. icon, 48. journalist

49. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
50. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
51. res____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
52. 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.
53. man____re a product *v.* to make goods in large numbers, usually in a factory using machines
54. corn yi__d *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
55. in___e guests *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
56. und____th the laughter *adv.* under or below something else
57. hu___e through life *v.* to move quickly and forcefully, especially in an uncontrolled or dangerous way

ANSWERS: 49. amazing, 50. software, 51. resolution, 52. satellite, 53. manufacture, 54. yield, 55. invite, 56. underneath, 57. hurtle

58. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
59. me____n name *v.* to speak or write about something or someone briefly
60. airplane g__k *n.* a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed
61. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
62. sw__p down the water slide *v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon
63. sc_____le solution *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
64. mo___n poetry *adj.* of or belonging to the present time or recent times
65. satellite im_____y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

ANSWERS: 58. mass, 59. mention, 60. geek, 61. resolution, 62. swoop, 63. scalable, 64. modern, 65. imagery

66. 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
67. an ar__y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive
68. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
69. n__m of action *n.* something that is regarded as usual, typical, or standard
70. alien sp_____ip *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
71. ga___e repair *n.* a building or part of a building used to store a vehicle or vehicles, typically a car
72. a sp_____ip to survey the moon *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
73. co___r honor *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
74. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
75. cast off a h__k *n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations

ANSWERS: 66. orbit, 67. array, 68. crop, 69. norm, 70. spaceship, 71. garage, 72. spaceship, 73. confer, 74. communal, 75. hawk

76. cannot log in to the a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
77. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
78. ea__e feathers *n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures
79. principles of de_____cy *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
80. become p__y to terrorists *n.* the object of a hunt; an animal hunted or trapped for eating
81. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
82. p__y of beast *n.* the object of a hunt; an animal hunted or trapped for eating
83. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
84. we__h heavily on stock prices *v.* to have a particular weight; to carefully evaluate things before making a conclusion
85. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

ANSWERS: 76. app, 77. typical, 78. eagle, 79. democracy, 80. prey, 81. rot, 82. prey, 83. decide, 84. weigh, 85. dive

86. ty____l leader *adj.* having the usual characteristics or traits of a specific group of things
87. an in____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
88. as____ut mission *n.* a person trained by a space agency to travel outside the Earth's atmosphere
89. an ideal habitat for ke____ls *n.* a small bird of prey (= a bird that kills and eats other creatures) of the falcon family
90. 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
91. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
92. pre-mo____n agricultural society *adj.* of or belonging to the present time or recent times
93. co____r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
94. northern con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
95. int_____ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

ANSWERS: 86. typical, 87. initial, 88. astronaut, 89. kestrel, 90. launch, 91. scan, 92. modern, 93. confer, 94. constellation, 95. introduction

96. he was en_____ly to blame *adv.* completely
97. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
98. 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.
99. ag__e in his movements *adj.* able to move quickly and easily, often in a way that is graceful and controlled
100. c__p herbicide *n.* a plant that is cultivated in large amounts, particularly for food
101. a cold cl_____e *n.* the weather in a particular location averaged over some long period
102. ga_____ze steel *v.* to stimulate or shock someone into taking action; to cover metal containing zinc to protect it from rust
103. jou_____st on a magazine *n.* a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
104. de_____st millions of acres *v.* to clear an area of forest or trees
105. i__n for young people *n.* a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

ANSWERS: 96. entirely, 97. dive, 98. satellite, 99. agile, 100. crop, 101. climate, 102. galvanize, 103. journalist, 104. deforest, 105. icon

117. em_____r my life *v.* to give someone the power or authority to do something
118. flow of el_____ons *n.* a tiny particle with the negative electrical charge
119. extremely co_____t device *adj.* closely and firmly united or packed together, using very little space; smaller than is usual
120. ga_____ze the country *v.* to stimulate or shock someone into taking action; to cover metal containing zinc to protect it from rust
121. ae_____ce and defense industry *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
122. im_____e a process *v.* to make or become better
123. sw__p up the escalator *v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon
124. an ear_____ke-proof *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
125. complete a pr_____pe product *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
126. electrical ga___e door *n.* a building or part of a building used to store a vehicle or vehicles, typically a car
127. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 117. empower, 118. electron, 119. compact, 120. galvanize, 121. aerospace, 122. improve, 123. swoop, 124. earthquake, 125. prototype, 126. garage, 127. nation

128. crystalline si____n *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
129. an_____on film *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
130. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
131. a gl__t in his eye *v.* to shine or sparkle with a brief, sudden light; to give a glimpse or hint of something; (noun) a quick or sudden flash of light, often reflecting off a surface
132. ro___t fuel *n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
133. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
134. a truly hum_____ian act *adj.* something relating to the promotion of human welfare or someone who works to promote human welfare

ANSWERS: 128. silicon, 129. animation, 130. nation, 131. glint, 132. rocket, 133. mass, 134. humanitarian

135. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
136. ur__n property owners *adj.* relating to or located in a town or city
137. the ex___t of the damage *n.* the point or degree or area to which something extends
138. me_____n in a report *v.* to speak or write about something or someone briefly
139. not no_____ly drink much *adv.* usually; under normal conditions
140. ae_____ce engineering *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
141. thirty cen_____ers tall *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
142. principles of un_____al design *adj.* existing or affecting everywhere or everyone
143. re_____ly arranged *adv.* at regular intervals or times
144. re_____e a prisoner *v.* to set free or allow to escape from confinement
145. va___y bottom *n.* a long depression on the surface of the land, which typically contains a river
146. em_____r the secretary to do the same *v.* to give someone the power or authority to do something
147. we__h a cargo *v.* to have a particular weight; to carefully evaluate things before making a conclusion

ANSWERS: 135. technique, 136. urban, 137. extent, 138. mention, 139. normally, 140. aerospace, 141. centimeter, 142. universal, 143. regularly, 144. release, 145. valley, 146. empower, 147. weigh

148. m__t down gold *v.* to turn from something solid into something soft or liquid as a result of heating
149. 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
150. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
151. fi___e decimal *adj.* having a limit or restriction of size, time, etc.
152. 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
153. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
154. un_____al life *adj.* existing or affecting everywhere or everyone
155. in___e criticism *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
156. a co_____t camera *adj.* closely and firmly united or packed together, using very little space; smaller than is usual

ANSWERS: 148. melt, 149. launch, 150. develop, 151. finite, 152. boom, 153. technique, 154. universal, 155. invite, 156. compact

157. 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
158. fi___e resources *adj.* having a limit or restriction of size, time, etc.
159. de____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
160. im____e the test score *v.* to make or become better
161. pu____ly financed schools *adv.* in a manner accessible to or observable by the public; by the government
162. de____st a mountain *v.* to clear an area of forest or trees

ANSWERS: 157. planet, 158. finite, 159. develop, 160. improve, 161. publicly, 162. deforest

Session 3: Fill in the Blanks

1. He was a computer _____ and spent all his free time coding.
n. a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed
2. Two countries acted together as if by _____.
adj. closely and firmly united or packed together, using very little space; smaller than is usual
3. The _____ had received a mild snowfall the previous week.
n. a long depression on the surface of the land, which typically contains a river
4. The customer on the Internet has to choose one from a formidable _____ of products.
n. a large group or collection of things or people, especially one that is impressive or attractive
5. NASA is an _____ organization that explores space and improves aviation technology.
adj. pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
6. The motivational speech _____ the team and gave them the drive to succeed.
v. to stimulate or shock someone into taking action; to cover metal containing zinc to protect it from rust
7. The sun _____ off the water, creating a dazzling display of light.
v. to shine or sparkle with a brief, sudden light; to give a glimpse or hint of something; (noun) a quick or sudden flash of light, often reflecting off a surface

ANSWERS: 1. geek, 2. compact, 3. valley, 4. array, 5. aerospace, 6. galvanized, 7. glinted

8. That team signed a center forward who was a ball-_____.
- n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations
9. We want to _____ you to our annual charity event.
- v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
10. _____ elections were held in several European countries.
- adj.* belonging to or used by a group rather than individuals; for common use
11. The vase was made of _____ ceramic and easily broke when it was dropped.
- adj.* delicate or easily broken or damaged
12. _____ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period
13. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire
14. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
15. The leaders of the two countries met to _____ on the issue.
- v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

ANSWERS: 8. hawk, 9. invite, 10. Communal, 11. fragile, 12. Climate, 13. amazing, 14. develop, 15. confer

16. Their headquarters are in a _____ skyscraper.

adj. of or belonging to the present time or recent times

17. 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

18. The penny fell _____ the piano.

adv. under or below something else

19. 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

20. The organization is dedicated to providing _____ aid to disaster-stricken areas worldwide.

adj. something relating to the promotion of human welfare or someone who works to promote human welfare

21. The outermost _____ shell determines the chemical properties of an atom.

n. a tiny particle with the negative electrical charge

22. Jockey's superior _____ brought him victory.

n. a particular way or art of doing something that needs skill

23. The majority of snakes swallow their _____ whole.

n. the object of a hunt; an animal hunted or trapped for eating

ANSWERS: 16. modern, 17. boom, 18. underneath, 19. orbit, 20. humanitarian, 21. electron, 22. technique, 23. prey

24. The car _____ down the highway at breakneck speed.
- v.* to move quickly and forcefully, especially in an uncontrolled or dangerous way
25. A _____ swooped down and caught prey.
- n.* a small bird of prey (= a bird that kills and eats other creatures) of the falcon family
26. The flying car is presently in the _____ stage.
- n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
27. The company planned to _____ a large rainforest area to make way for a new plantation.
- v.* to clear an area of forest or trees
28. The _____ development process allowed the team to make changes quickly.
- adj.* able to move quickly and easily, often in a way that is graceful and controlled
29. The majority of synthetic vitamins are _____ from oil.
- v.* to make goods in large numbers, usually in a factory using machines
30. Foreign TV crews and _____ can go as they please in various locations during the Olympics.
- n.* a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
31. The violent _____ caused widespread damage and injuries throughout the region.
- n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

ANSWERS: 24. hurtled, 25. kestrel, 26. prototype, 27. deforest, 28. agile, 29. manufactured, 30. journalists, 31. earthquake

32. Later, his claim was found to be _____ false.

adv. completely

33. 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

34. Only a small number of _____ utilities offer sanitation services.

adj. relating to or located in a town or city

35. She _____ denounced the government's mishandling of the economic crisis.

adv. in a manner accessible to or observable by the public; by the government

36. The _____ image on the screen took a lot of work to make out.

adj. not moving or not capable of moving, not changing or not capable of changing

37. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.

v. to give someone the power or authority to do something

38. These heavy rains caused flash _____ on several islands.

n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount

39. The systems we have developed has accepted as industry _____.

n. something that is regarded as usual, typical, or standard

40. Please refrigerate the meat, or it will _____.

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

ANSWERS: 32. entirely, 33. launch, 34. urban, 35. publicly, 36. static, 37. empowered, 38. floods, 39. norms, 40. rot

41. The company's stock gives a high _____.
- n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
42. The animal rights group worked to _____ the dolphins back into the wild.
- v.* to set free or allow to escape from confinement
43. The _____ of people who do not own property is politically impotent.
- n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
44. The _____ of Japan is known for its unique culture and advanced technology.
- n.* a large organized community of people living in a particular country or region and having a particular culture
45. The company's new software is highly _____ allowing it to handle increasing number of users.
- adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
46. The bald _____ symbolizes freedom and strength in the United States.
- n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures
47. They launched a crewless _____ into space.
- n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
48. 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.

ANSWERS: 41. yield, 42. release, 43. mass, 44. nation, 45. scalable, 46. eagle, 47. spaceship, 48. satellite

49. They had formed a friendship _____.

- n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money

50. The eagle _____ down from the sky to catch its prey.

- v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon

51. This movie is famous for its romantic _____.

- n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

52. 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

53. This site _____ shares high-quality academic materials.

- adv.* at regular intervals or times

54. The shuttle _____ trained for months before embarking on the space mission.

- n.* a person trained by a space agency to travel outside the Earth's atmosphere

55. Some comic book characters are considered gay _____.

- n.* a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

56. The picture earned near-_____ acclaim from critics.

- adj.* existing or affecting everywhere or everyone

ANSWERS: 49. bond, 50. swooped, 51. imagery, 52. mentioned, 53. regularly, 54. astronaut, 55. icons, 56. universal

57. We want to _____ ties between our two countries.

v. to make or become better

58. He made a New Year's _____ to exercise more and eat healthier.

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

59. Her resistance _____ under his persuasion.

v. to turn from something solid into something soft or liquid as a result of heating

60. The _____ to the new class was informative and engaging.

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

61. She stood on the podium and _____ an audience.

v. to examine something hastily, with the eyes or with a machine, to get information

62. _____ often entails inclusive capitalism as well.

n. a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

63. Navigators still use the Little Bear _____ at sea.

n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

64. I was amazed at the _____ of her generosity.

n. the point or degree or area to which something extends

ANSWERS: 57. improve, 58. resolution, 59. melted, 60. introduction, 61. scanned, 62. Democracy, 63. constellation, 64. extent

65. This artwork is _____ of her work.

adj. having the usual characteristics or traits of a specific group of things

66. He parked his car in the private _____.

n. a building or part of a building used to store a vehicle or vehicles, typically a car

67. The mobile application industry is _____ changing.

adv. all the time

68. The sperm whale can _____ to 1,000 meters.

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

69. The discovery of a critical bug caused the company to delay the _____ release.

n. (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

70. 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

71. The _____ launch platform is visible from this hill.

n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

72. They took the _____ step toward reconciliation.

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

ANSWERS: 65. typical, 66. garage, 67. constantly, 68. dive, 69. app's, 70. planet, 71. rocket, 72. initial

73. Sow early for an early _____.

n. a plant that is cultivated in large amounts, particularly for food

74. The company specializes in both hardware and _____.

n. a set of computer programs and associated documentation and data for doing particular computational jobs

75. I don't _____ take a vacation in the middle of summer.

adv. usually; under normal conditions

76. Human beings have a _____ lifespan, so we yearn for the idea of immortality.

adj. having a limit or restriction of size, time, etc.

77. The _____ of the characters in the movie was so realistic, and it was as if they were there.

n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

78. _____ is the second most abundant element on earth after oxygen.

n. a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

79. The baby _____ 1 pound 3 oz.

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

80. The room was only one _____ wider than the piano, making it a tight fit.

n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

ANSWERS: 73. crop, 74. software, 75. normally, 76. finite, 77. animation, 78. Silicon, 79. weighs, 80. centimeter

81. She couldn't _____ whether to order the pizza or the pasta for dinner.

- v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

ANSWERS: 81. decide