Englist.me

Vocabulary Builder Reference from...

Bastian Schaefer: A 3D-printed jumbo jet? | TED Talk https://www.ted.com/talks/bastian_schaefer_a_3d_printed_jumbo_jet



All Words

IMPORTANT

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Session 1: Word List

predict

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

vision

- n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
- synonym: sight, image, concept
- (1) a prodigious vision,(2) telescopic visionDriving is difficult for me because of my poor vision.

rev

- a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
- synonym: revolution, RPM, speed
- (1) low- **rev** engine, (2) **rev** up the crowd He stepped on the gas pedal, and the engine released a loud **rev**.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by

causing a problem or disturbance synonym: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep I'm so sorry to **disrupt** you when you're pretty busy.

inspiring

adj. stimulating and motivating you to want to do something *synonym*: exhilarating, encouraging, heartening

(1) inspiring stories, (2) awe- inspiring sight An inspiring teacher might spark students' motivation to succeed.

chain

- a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
- synonym: series, string, link
- (1) chain reaction, (2) supply chainThe chain on my bike broke, leaving me stranded.

instance

- n. a particular example or single occurrence of somethingsynonym: example, sample, illustration
- for instance, (2) notable instance
 These articles cite five instances of climate change.

Atlantic

- adj. relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
- (1) **Atlantic** breeze, (2) **Atlantic** salmon

 The **Atlantic** hurricane season runs from June to November each year.

technique

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.

sustainable

adj. able to continue or be continued for a long time *synonym*: continuable, endurable, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

aviation

 the activity or process of designing, building, flying, and maintaining aircraft

synonym: flying, flight, aeronautics

(1) global aviation industry, (2) civil aviationThe aviation expert analyzed the fluid around the aircraft.

incorporate

- v. to include something as a part of a larger entity synonym: contain, integrate, amalgamate
- (1) **incorporate** the current trends, (2) **incorporate** technology into daily life

We will attempt to **incorporate** some of your suggestions into our future strategy.

environment

 the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**Every human is responsible for taking care of the Earth's **environment**.

economy

n. the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

synonym: finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

structure

 the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments He is very popular at school because he can **mimic** all the teachers' accents.

skeleton

 the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

synonym: bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

weird

adj. extraordinary, unexpected, or difficult to explain synonym: bizarre, creepy, peculiar

(1) a **weird** dress, (2) the state of being **weird** My computer has been acting **weird** recently.

artwork

 the pieces of art, such as pictures and photographs used in books, magazines, etc.

synonym: painting, picture, graphics

(1) ancient **artwork**, (2) **artwork** conservation Videos documenting the process of creating this pencil **artwork** have been popular worldwide.

uprising

 a public rebellion, especially against an established government or authority

synonym: revolt, rebellion, insurgency

(1) stage an **uprising**, (2) violent **uprising**

The anti-government **uprising** was successful in overthrowing the regime.

megatrend

 a large-scale or long-term trend that has a significant impact on society or the economy, often influencing multiple sectors or industries

synonym: trend, movement, phenomenon

(1) global **megatrend**, (2) **megatrend** forecasting

The latest **megatrend** in the fashion industry is sustainable clothing.

anthropoid

adj. resembling or relating to a human being, particularly in terms of physical characteristics or behavior; often used to describe primates or other animals that have human-like traits

synonym: human-like, humanoid, apelike

(1) anthropoid primate, (2) anthropoid skull

The fossils discovered belong to an **anthropoid** species that lived millions of years ago.

aircraft

 any vehicle that can fly and carry things or passengers, such as a plane or helicopter

synonym: airplane, plane, airliner

(1) an aircraft landing, (2) aircraft control system

The marine **aircraft** manufacturer demonstrated their newest hydroplane.

dense

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

synonym: heavy, thick, idiotic

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

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

promote

v. to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank

synonym: boost, raise, advertise

(1) **promote** a better relationship, (2) **promote** bad behavior The government should do more to **promote** sustainable agribusiness.

individual

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

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.

integrate

 to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

synonym: mix, merge, combine

(1) **integrate** into the existing system, (2) **integrate** both businesses

He found that it is difficult to integrate socially.

combine

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

Hydrogen and oxygen combine to form water.

communicate

 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.

software

 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**.

conscious

adj. being aware of and able to respond to what is happening around you

synonym: aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded He became **conscious** that he was being followed.

complexity

 n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym: artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

Synthetic diamonds play an essential role as machine tool blades.

biology

 the scientific study of life and the natural processes of living things (1) evolutionary **biology**, (2) cell and molecular **biology** In junior high school, we had to dissect a frog in **biology** class.

bracket

n. projecting support or fixture used to attach or bear weight; a small shelf or ledge; a punctuation mark ([]) used to enclose words, numbers, or symbols

synonym: support, holder, frame

bracket placement, (2) tax bracket
 need to hang these shelves with the help of some sturdy brackets.

crew

 a group of people who work together, especially on a ship or airplane

synonym: team, group, squad

(1) the film **crew**, (2) the **crew** of a fishing boat The ship's **crew** worked hard to repair the damaged sails before the next storm hit.

compartment

a separate section or part of a larger enclosed space,
 such as a train carriage or a ship's cabin

synonym: section, part, subdivision

(1) **compartment** door, (2) a watertight **compartment** The train's **compartment** was small but comfortable.

process

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

synonym: procedure, method, system

(1) **process** improvement, (2) decision-making **process**The **process** for applying for a visa can be lengthy and complicated.

greenhouse

 a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in synonym: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

emission

- n. the act of production or sending out gas, heat, light, etc. synonym: emanation, radiation, discharge
- (1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct emissions at five unique wavelengths.

component

 one of several parts that combines with others to form something bigger

synonym: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

top-down

adj. controlled or implemented from the highest level of authority or management

synonym: centralized, hierarchical

(1) **top-down** management, (2) **top-down** approach
The **top-down** management approach could have been more effective in implementing organizational changes.

carbon

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

nanotube

- n. a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including electronics and materials science
- (1) nanotube technology, (2) metallic nanotube

Carbon **nanotubes** are used in various fields of science and technology due to their unique properties.

rivet

 a short metal pin or bolt with a flat head used for joining things together

synonym: bolt, fastener, clinch

(1) rivet gun, (2) button-head rivet

The **rivets** on the airplane's wings were inspected to ensure they were secure.

embedded

adj. fixed firmly into the surface of somethingsynonym: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass
The **embedded** chip in my credit card allows me to make contactless payments.

matrix

n. a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

synonym: grid, cast, table

(1) the **matrix** of Western civilization, (2) **matrix** multiplication

The **matrix** of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.

trillion

- n. the number 1,000,000,000,000; a million million
- (1) **trillion** cubic feet, (2) many **trillions** of dollars One light year is nearly 6 **trillion** miles.

align

v. to put or arrange two or more things in a straight line or to form a straight line

synonym: coordinate, regulate, adjust

(1) **align** the economic interest of each other, (2) **align** with a historical trend

Both parties are now entirely ideologically aligned.

morphology

n. the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another

synonym: structure, form, anatomy

(1) **morphology** of a language, (2) cellular **morphology** The **morphology** of rocks can reveal clues about their geological history.

optimize

- v. to make the best or most effective use of something synonym: advance, amend, improve
- (1) **optimize** a process, (2) **optimize** control for cooling The essence of economics is to **optimize** the allocation of limited resources.

transmit

- v. to send or forward an electronic signal; to pass something from one person or thing to another synonym: convey, share, dispatch
- transmit the disease, (2) transmit information
 Parents often transmit their characteristics to their children.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering Actuators convert **electrical** pulses into motion.

adapt

 to make fit for or change to suit a new purpose or environment

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed I advised him to **adapt** to his new surroundings.

virtual

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

synonym: practical

(1) a **virtual** image, (2) trading of **virtual** currencies. She is the **virtual** president of the company.

bionic

- adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
- (1) bionic exoskeleton, (2) bionic technology

The soldier was fitted with a **bionic** arm after losing him in combat.

transparent

- adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
- synonym: translucent, evident, diaphanous
- (1) a transparent lie, (2) transparent crystal

The focus of these initiatives is to make the financial system more **transparent**.

polymer

- a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
- (1) **polymer** fiber, (2) biological **polymer**We are developing plant-derived **polymers** to reduce environmental impact.

membrane

- n. a soft, thin layer that forms animal or vegetable tissuesynonym: tissue layer
- (1) cell **membranes**, (2) nuclear **membrane**Loud noises might harm the fragile ear **membrane**.

Session 2: Spelling

1.	aln with a historical trend	<i>v</i> .	to put or arrange two or more things in a straight line or to form a straight line
2.	dee forests	adj.	containing a large number of people or something with little space between them
3.	cognitive comty	n.	the state or quality of being complicated or intricate and difficult to understand
4.	global mend	n.	a large-scale or long-term trend that has a significant impact on society or the economy, often influencing multiple sectors or industries
5.	envnt affairs	n.	the natural world such as air, water, and land in which humans, animals, and plants live
6.	susle alternative fuel	adj.	able to continue or be continued for a long time
7.	comnt door	n.	a separate section or part of a larger enclosed space, such as a train carriage or a ship's cabin
8.	coe chemically with another substance	<i>v</i> .	to join or merge to form a single thing or group
9.	exotic plants in a grese	n.	a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
10.	a watertight comnt	n.	a separate section or part of a larger enclosed space, such as a train carriage or a ship's cabin

ANSWERS: 1. align, 2. dense, 3. complexity, 4. megatrend, 5. environment, 6. sustainable, 7. compartment, 8. combine, 9. greenhouse, 10. compartment

11.	aift control system	n.	any vehicle that can fly and carry things or passengers, such as a plane or helicopter		
12.	brt placement	n.	projecting support or fixture used to attach or bear weight; a small shelf or ledge; a punctuation mark ([]) used to enclose words, numbers, or symbols		
13.	inte into the existing system	ν.	to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups		
14.	r_v up the crowd	n.	a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute		
15.	principles of susle development	adj.	able to continue or be continued for a long time		
16.	trant crystal	adj.	easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely		
17.	tax brt	n.	projecting support or fixture used to attach or bear weight; a small shelf or ledge; a punctuation mark ([]) used to enclose words, numbers, or symbols		
18.	adt fully to the environment	<i>v</i> .	to make fit for or change to suit a new purpose or environment		
19.	incte technology into daily life	<i>v</i> .	to include something as a part of a larger entity		
AN	SWERS: 11. aircraft, 12. bracket, 13. in	teara	ate. 14. rev. 15. sustainable. 16.		
	rate in the state of the state				

transparent, 17. bracket, 18. adapt, 19. incorporate

20.	comte well with my advisor	<i>v</i> .	to share or exchange information with others by speaking, writing, moving your body, or using other signals
21.	awe-inng sight	adj.	stimulating and motivating you to want to do something
22.	chaotic envnt	n.	the natural world such as air, water, and land in which humans, animals, and plants live
23.	indal freedom	n.	a single person or thing, as distinct from a group
24.	ecy class	n.	the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
25.	stage an upng	n.	a public rebellion, especially against an established government or authority
26.	civil avon	n.	the activity or process of designing, building, flying, and maintaining aircraft
27.	cell menes	n.	a soft, thin layer that forms animal or vegetable tissue
28.	mic numerous instruments	ν.	to imitate someone's speech, movement, or behavior, especially to make others laugh
29.	global emons of greenhouse gases	n.	the act of production or sending out gas, heat, light, etc.
30.	ancient ark	n.	the pieces of art, such as pictures and photographs used in books, magazines, etc.

ANSWERS: 20. communicate, 21. inspiring, 22. environment, 23. individual, 24. economy, 25. uprising, 26. aviation, 27. membrane, 28. mimic, 29. emission, 30. artwork

31.	the stre of a machine	n.	the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
32.	bic exoskeleton	adj.	relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
33.	stre and function of the brain	n.	the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
34.	dit sleep	ν.	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
35.	a wed dress	adj.	extraordinary, unexpected, or difficult to explain
36.	prt the future	ν.	to state beforehand that something will happen in the future, mainly based on knowledge or experience
37.	cellular morgy	n.	the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
38.	global avon industry	n.	the activity or process of designing, building, flying, and maintaining aircraft
39.	coe augmented reality	v.	to join or merge to form a single thing or group

ANSWERS: 31. structure, 32. bionic, 33. structure, 34. disrupt, 35. weird, 36. predict, 37. morphology, 38. aviation, 39. combine

40.	the emon of light	n.	the act of production or sending out gas, heat, light, etc.
41.	LED-emed glass	adj.	fixed firmly into the surface of something
42.	cous of having succeeded	adj.	being aware of and able to respond to what is happening around you
43.	the steel skon of a building	n.	the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
44.	max multiplication	n.	a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
45.	adt as needed	<i>v</i> .	to make fit for or change to suit a new purpose or environment
46.	the film cw	n.	a group of people who work together, especially on a ship or airplane
47.	an eleal storm	adj.	relating to electricity
48.	a private indal	n.	a single person or thing, as distinct from a group
49.	chn reaction	n.	a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
50.	prt when she will arrive	<i>v</i> .	to state beforehand that something will happen in the future, mainly based on knowledge or experience
51.	many trons of dollars	n.	the number 1,000,000,000,000; a million million

ANSWERS: 40. emission, 41. embedded, 42. conscious, 43. skeleton, 44. matrix, 45. adapt, 46. crew, 47. electrical, 48. individual, 49. chain, 50. predict, 51. trillion

52.	the user ince	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
53.	cell and molecular biy	n.	the scientific study of life and the natural processes of living things
54.	the state of being wed	adj.	extraordinary, unexpected, or difficult to explain
55.	comty theory	n.	the state or quality of being complicated or intricate and difficult to understand
56.	ince 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
57.	prs improvement	n.	a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
58.	can dioxide	n.	a chemical element that can be found in pure form as diamond or graphite, and i is also an essential part of coal and oil and is found in all plants and animals
59.	incte the current trends	v.	to include something as a part of a larger entity
	SWERS: 52. interface, 53. biology, 54. v cess, 58. carbon, 59. incorporate	weird	d, 55. complexity, 56. interface, 57.

60.	emissions of grese gases	n.	a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
61.	por fiber	n.	a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
62.	morgy of a language	n.	the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
63.	the cw of a fishing boat	n.	a group of people who work together, especially on a ship or airplane
64.	a prodigious vin	n.	the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
65.	ecy of scale	n.	the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
66.	pre a better relationship	v.	to encourage or persuade people to like, buy, use, do, or support something to raise someone to a higher position or rank
67.	can emission	n.	a chemical element that can be found in pure form as diamond or graphite, and i is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 60. greenhouse, 61. polymer, 62. morphology, 63. crew, 64. vision, 65. economy, 66. promote, 67. carbon

68.	cous effort	adj.	being aware of and able to respond to what is happening around you
69.	mend forecasting	n.	a large-scale or long-term trend that has a significant impact on society or the economy, often influencing multiple sectors or industries
70.	antid primate	adj.	resembling or relating to a human being, particularly in terms of physical characteristics or behavior; often used to describe primates or other animals that have human-like traits
71.	trit information	v.	to send or forward an electronic signal; to pass something from one person or thing to another
72.	mic a human voice	<i>v</i> .	to imitate someone's speech, movement, or behavior, especially to make others laugh
73.	aln the economic interest of each other	v.	to put or arrange two or more things in a straight line or to form a straight line
74.	syic fiber	adj.	made by combining chemical substances as opposed to being naturally occurring
75.	for ince	n.	a particular example or single occurrence of something
76.	supply chn	n.	a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
77.	low-r_v engine	n.	a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

ANSWERS: 68. conscious, 69. megatrend, 70. anthropoid, 71. transmit, 72. mimic, 73. align, 74. synthetic, 75. instance, 76. chain, 77. rev

78.	inte both businesses	v.	to combine one thing with another so that they form a whole or work together to accept equal participation for members of all races and ethnic groups
79.	copyrighted sore	n.	a set of computer programs and associated documentation and data for doing particular computational jobs
80.	skon hand	n.	the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
81.	trit the disease	ν.	to send or forward an electronic signal; to pass something from one person or thing to another
82.	antid skull	adj.	resembling or relating to a human being, particularly in terms of physical characteristics or behavior; often used to describe primates or other animals that have human-like traits
83.	the max of Western civilization	n.	a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
84.	telescopic vin	n.	the ability to think about or see the future with imagination and intelligence the faculty of being able to see
85.	syic fertilizer	adj.	made by combining chemical substances as opposed to being naturally occurring
86.	inng stories	adj.	stimulating and motivating you to want to do something

ANSWERS: 78. integrate, 79. software, 80. skeleton, 81. transmit, 82. anthropoid, 83. matrix, 84. vision, 85. synthetic, 86. inspiring

87.	spare conts for cars	n.	one of several parts that combines with others to form something bigger
88.	tron cubic feet	n.	the number 1,000,000,000,000; a million million
89.	Atic salmon	adj.	relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
90.	Atic breeze	adj.	relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
91.	pre bad behavior	ν.	to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
92.	violent upng	n.	a public rebellion, especially against an established government or authority
93.	ark conservation	n.	the pieces of art, such as pictures and photographs used in books, magazines, etc.
94.	an aift landing	n.	any vehicle that can fly and carry things or passengers, such as a plane or helicopter
95.	opze a process	<i>v</i> .	to make the best or most effective use of something

ANSWERS: 87. component, 88. trillion, 89. Atlantic, 90. Atlantic, 91. promote, 92. uprising, 93. artwork, 94. aircraft, 95. optimize

96. trading of viI currencies	adj.	being actually such in almost every respect; existing in essence or effect though not in actual fact
97. opze control for cooling	<i>v</i> .	to make the best or most effective use of something
98. town management	adj.	controlled or implemented from the highest level of authority or management
99. sore architect	n.	a set of computer programs and associated documentation and data for doing particular computational jobs
100. degree in eleal engineering	adj.	relating to electricity
101. the teue applied to construction	n.	a particular way or art of doing something that needs skill
102. key cont	n.	one of several parts that combines with others to form something bigger
103. rit gun	n.	a short metal pin or bolt with a flat head used for joining things together
104. biological por	n.	a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
105. a viI image	adj.	being actually such in almost every respect; existing in essence or effect though not in actual fact
106. emed systems	adj.	fixed firmly into the surface of something
107. town approach	adj.	controlled or implemented from the highest level of authority or management

ANSWERS: 96. virtual, 97. optimize, 98. top-down, 99. software, 100. electrical, 101. technique, 102. component, 103. rivet, 104. polymer, 105. virtual, 106. embedded, 107. top-down

to pass through freely 110. nutrient-de_e foods adj. containing a large number of people of something with little space between them 111. nuclear mene n. a soft, thin layer that forms animal or vegetable tissue 112. notable ince n. a particular example or single occurrence of something 113. comte his anxieties to the psychiatrist v. to share or exchange information with others by speaking, writing, moving your body, or using other signals 114. bic technology adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original 115. a teue in martial arts n. a particular way or art of doing something that needs skill 116. nabe technology n. a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including	108. decision-making prs	n.	a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
something with little space between them 111. nuclear mene n. a soft, thin layer that forms animal or vegetable tissue 112. notable ince n. a particular example or single occurrence of something 113. comte his anxieties to the psychiatrist v. to share or exchange information with others by speaking, writing, moving your body, or using other signals 114. bic technology adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original 115. a teue in martial arts n. a particular way or art of doing something that needs skill 116. nabe technology n. a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including	109. a trant lie	adj.	(of a material or article) permitting light
vegetable tissue 112. notable ince n. a particular example or single occurrence of something 113. comte his anxieties to the psychiatrist v. to share or exchange information with others by speaking, writing, moving your body, or using other signals 114. bic technology adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original 115. a teue in martial arts n. a particular way or art of doing something that needs skill 116. nabe technology n. a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including	110. nutrient-dee foods	adj.	something with little space between
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devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original 115. a teue in martial arts n. a particular way or art of doing something that needs skill 116. nabe technology n. a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including		⊖ <i>v</i> .	
something that needs skill 116. nabe technology n. a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including	114. bic technology	adj.	devices that enhance or replace biological functions, typically in a way that mimics or improves upon the
composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including	115. a teue in martial arts	n.	· · · · · · · · · · · · · · · · · · ·
diodionico ana materiale colonico	116. nabe technology	n.	composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a

ANSWERS: 108. process, 109. transparent, 110. dense, 111. membrane, 112. instance, 113. communicate, 114. bionic, 115. technique, 116. nanotube

- 117. di____t a well-ordered condition
- v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

118. metallic na____be

 a tube-shaped structure that is composed of very small particles, typically with a diameter of a few nanometers; nanotubes are used in a variety of applications, including electronics and materials science

119. button-head ri__t

a short metal pin or bolt with a flat head used for joining things together

120. evolutionary bi____y

n. the scientific study of life and the natural processes of living things

ANSWERS: 117. disrupt, 118. nanotube, 119. rivet, 120. biology

Session 3: Fill in the Blanks

1.	Jockey's superior brought him victory.
n.	a particular way or art of doing something that needs skill
2. n.	He stepped on the gas pedal, and the engine released a loud a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
3.	The soldier was fitted with a arm after losing him in combat.
adj	relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
4.	I'm so sorry to you when you're pretty busy.
<i>v</i> .	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
5.	The company specializes in both hardware and
n.	a set of computer programs and associated documentation and data for doing particular computational jobs
6.	It's notoriously challenging to birth rates.
v.	to state beforehand that something will happen in the future, mainly based on knowledge or experience
7.	Videos documenting the process of creating this pencil have been popular worldwide.
n.	the pieces of art, such as pictures and photographs used in books, magazines etc.
	SWERS: 1. technique, 2. rev, 3. bionic, 4. disrupt, 5. software, 6. predict, 7. work

8.	The researchers try to discover a common in all types of successful organizations.
n.	one of several parts that combines with others to form something bigger
9.	The anti-government was successful in overthrowing the regime.
n.	a public rebellion, especially against an established government or authority
10.	The on my bike broke, leaving me stranded.
n.	a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
11.	The project's made it difficult for the team to complete it on time.
n.	the state or quality of being complicated or intricate and difficult to understand
12.	Hydrogen and oxygen to form water.
ν.	to join or merge to form a single thing or group
13.	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
14.	The focus of these initiatives is to make the financial system more
adj	easy to perceive, detect, or understand; (of a material or article) permitting ligh to pass through freely
15.	The government should do more to support environmentally agriculture.
adj	able to continue or be continued for a long time
	SWERS: 8. component, 9. uprising, 10. chain, 11. complexity, 12. combine, 13. nmunicate, 14. transparent, 15. sustainable

ANSWERS: 16. biology, 17. Atlantic, 18. conscious, 19. carbon, 20. greenhouse, 21. brackets, 22. Synthetic, 23. mimic

to imitate someone's speech, movement, or behavior, especially to make

others laugh

a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use

in other dairy products

ANSWERS: 24. compartment, 25. interface, 26. membrane, 27. nanotubes, 28. aligned, 29. embedded, 30. process

31. We will attempt to some of your suggestions into our future strategy.
v. to include something as a part of a larger entity
32. She is the president of the company.
adj. being actually such in almost every respect; existing in essence or effect though not in actual fact
33. An teacher might spark students' motivation to succeed.
adj. stimulating and motivating you to want to do something
34. The ship's worked hard to repair the damaged sails before the next storm hit.
n. a group of people who work together, especially on a ship or airplane
35. As an he had the right to make his own decisions and live his life as he saw fit.
n. a single person or thing, as distinct from a group
36. My computer has been acting recently.
adj. extraordinary, unexpected, or difficult to explain
37. The expert analyzed the fluid around the aircraft.
n. the activity or process of designing, building, flying, and maintaining aircraft
38. The management approach could have been more effective in implementing organizational changes.
adj. controlled or implemented from the highest level of authority or management
ANSWERS: 31. incorporate, 32. virtual, 33. inspiring, 34. crew, 35. individual, 36. weird, 37. aviation, 38. top-down

39. Every human is responsible for taking care of the Earth's
n. the natural world such as air, water, and land in which humans, animals, and plants live
40. The entire mountain is covered in rainforest.
adj. containing a large number of people or something with little space between them
41. We are developing plant-derived to reduce environmental impact.
 a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
42. He found that it is difficult to socially.
v. to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
43. Driving is difficult for me because of my poor
n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
44. These articles cite five of climate change.
n. a particular example or single occurrence of something
45. I advised him to to his new surroundings.
v. to make fit for or change to suit a new purpose or environment
46. The latest in the fashion industry is sustainable clothing.
 a large-scale or long-term trend that has a significant impact on society or the economy, often influencing multiple sectors or industries
ANSWERS: 39. environment, 40. dense, 41. polymers, 42. integrate, 43. vision, 44 instances, 45. adapt, 46. megatrend

47.	The on the airplane's wings were inspected to ensure they were secure.
n.	a short metal pin or bolt with a flat head used for joining things together
48.	The fossils discovered belong to an species that lived millions of years ago.
adj	resembling or relating to a human being, particularly in terms of physical characteristics or behavior; often used to describe primates or other animals that have human-like traits
49.	The of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.
n.	a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
50.	There are five distinct at five unique wavelengths.
n.	the act of production or sending out gas, heat, light, etc.
	Actuators convert pulses into motion. relating to electricity
52.	The government should do more to sustainable agribusiness.
v.	to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
53.	Scientists studied the ancient to learn more about the creature's anatomy.
n.	the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
	SWERS: 47. rivets, 48. anthropoid, 49. matrix, 50. emissions, 51. electrical, 52. mote, 53. skeleton

54.	The essence of economics is to the allocation of limited resources.
v.	to make the best or most effective use of something
55.	Parents often their characteristics to their children.
v.	to send or forward an electronic signal; to pass something from one person or thing to another
56.	The marine manufacturer demonstrated their newest hydroplane.
n.	any vehicle that can fly and carry things or passengers, such as a plane or helicopter
57.	One light year is nearly 6 miles.
n.	the number 1,000,000,000,000; a million million
58.	The organizational of start-ups is often flat and straightforward.
n.	the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
59.	The of rocks can reveal clues about their geological history.
n.	the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
60.	The of the country is struggling due to the recent political instability.
n.	the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
	SWERS: 54. optimize, 55. transmit, 56. aircraft, 57. trillion, 58. structure, 59. rphology, 60. economy