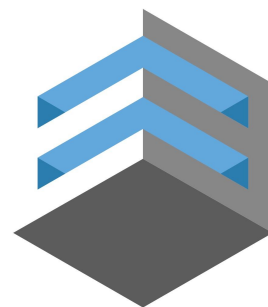


Englist.me



Vocabulary Builder Reference from...

Miao Wang, Alok Sharma and Nigel Topping: The race to net-zero emissions by 2050 is on. Can we count you in? | TED Talk

https://www.ted.com/talks/miao_wang_alok_sharma_and_nigel_topping_the_race_to_net_zero_emissions_by_2050_is_on_can_we_count_you_in

All Words

IMPORTANT

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

Session 1: Word List

champion

n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief

synonym: victor, winner, fighter

(1) a **champion** of peace, (2) the grand **champion**

The **champion** bicyclist outrode all his competitors.

conservation

n. the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

synonym: preservation, protection, saving

(1) soil **conservation**, (2) the **conservation** law of physics

The forest was recently designated a **conservation** area.

urgently

adv. in a way that requires immediate action or attention, especially before anything else, because of being very important

synonym: promptly, immediately, swiftly

(1) tackle the problem **urgently**, (2) **urgently** required

I need to send this email **urgently**.

firsthand

adv. from the source; directly; (adjective) received directly from a source

synonym : direct

(1) hear customer's voices **firsthand**, (2) conduct **firsthand** research

The manager tried to hear customers' voices **firsthand**.

coral

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

(1) **coral** island, (2) **coral** ornament

She is wearing a **coral** necklace.

reef

n. a long chain or range of rocks or sand near the ocean's surface

(1) barrier **reef**, (2) coral **reefs**

The vessel ran aground on a **reef**.

vulnerable

adj. capable of being hurt or influenced physically or mentally

synonym : susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

rewild

v. to restore an area of land to its natural state, especially by reintroducing locally extinct species

synonym : restore, return, rehabilitate

(1) **rewild** land, (2) **rewild** an area

The government is considering a plan to **rewild** certain areas by reintroducing native species and removing non-native ones.

urgency

n. the quality of being very important and needing to be dealt with immediately

synonym : importance, importunity, urging

(1) **urgency** in the use of force, (2) matter of **urgency**

She departed hurriedly because of some significant **urgency**

in their affairs.

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.

session

n. a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity

synonym: conference, gathering

(1) the morning **session**, (2) the court **session**
Parliament is now in **session**.

secretary

n. a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization

synonym: assistant, clerk, administrator

(1) a confidential **secretary**, (2) **secretary** general

The chief **secretary** was responsible for organizing the meeting.

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.

crucial

adj. extremely vital or necessary

synonym: essential, pivotal, vital

(1) **crucial** information, (2) a **crucial** issue for women

The revitalization of technology companies is **crucial** to the country's growth.

government

n. the group of people with authority to control a country or state

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

kingdom

n. the country ruled by a king or queen

synonym: empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**

By remaining neutral, this **kingdom** continued to exist.

industrial

adj. of or relating to or resulting from industry

synonym: manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

Industrial design has become more focused on human nature aspect than ever before.

strategy

n. a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

president

n. the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

synonym: leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance

The club **president** does not have absolute power.

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.

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.

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.

recover

v. to return to a former condition, health, mind, or strength

synonym: come back, convalesce, heal

(1) **recover** a loss, (2) **recover** approval ratings

She is still **recovering** from a shot to her shoulder.

coronavirus

n. a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2

synonym: covid

(1) **coronavirus** antibody test kit, (2) **coronavirus** bankruptcy

Considering the situation of **coronavirus**, organized stopped this year's beer festival.

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym : suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym : robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

thrive

v. to grow vigorously; to make steady progress

synonym : bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.

shock

n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

synonym : amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant**

He got an electric **shock** at work.

institutionalize

v. to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

synonym : formalize, establish, regularize

(1) **institutionalize** a system, (2) **institutionalize** customary laws

The new policy aims to **institutionalize** the use of renewable energy sources.

specific

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

synonym : particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

commitment

n. a promise or firm decision to do something or to behave in a certain way

synonym: burden, obligation, promise

(1) a **commitment** to an alliance, (2) meet his **commitments**

His business **commitments** took him to the United States.

committed

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

synonym: devoted, faithful, attached

(1) in a **committed** relationship, (2) strong and **committed** sales staff

Our company is strongly **committed** to meeting customers' needs.

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.

renewable

adj. capable of being renewed, extended, or replaced

synonym: sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

flip

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

synonym: throw, jump

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

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

fleet

n. a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast

synonym: armada, flotilla, (adjective) speedy

(1) **fleet** of foot, (2) a **fleet** horse

We destroyed a **fleet** of 70 enemy ships.

efficient

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

synonym: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

investor

n. someone who puts money or capital into something to gain financial returns

synonym: financier, banker, stockholder

(1) **investor** lawsuit, (2) a real estate **investor**

Institutional **investors** refrained from buying stocks amid the booming economy.

invest

v. to put money, effort, time, etc. into something to make a profit or achieve a result

synonym: fund, sponsor, support

(1) **invest** in stocks, (2) **invest** capital

The government should view children as national assets and

actively **invest** in them.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym: accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

accelerate

v. to make something faster or earlier; to cause to develop or progress more quickly

synonym: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

pace

n. the speed at which someone or something moves, or the rate at which something happens or changes

synonym: gait, rate, speed

(1) at your own **pace**, (2) the runner's **pace**

The economy is growing at a supercharged **pace**.

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.

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.

pathway

n. a track that constitutes or serves as a path; an approach or a way of doing something

synonym : route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling

pathways

When the first molecule in the **pathway** receives a signal, it activates other molecules.

sector

n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

synonym : division, department, branch

(1) industrial **sector**, (2) private **sector**

The technology **sector** is constantly evolving and innovating.

cement

v. make fast as if with cement; (noun) a building material that is a powder made of a mixture of calcined limestone and clay, used with water, sand, and small stones to make concrete

synonym : adhesive, glue

(1) **cement** a close relationship, (2) **cement** blend

They are eager to **cement** a positive reputation.

steel

n. a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

synonym : iron

(1) magnetic **steel**, (2) **steel** beam

This bridge is the third largest **steel** bridge in the world.

aviation

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

synonym : flying, flight, aeronautics

(1) global **aviation** industry, (2) civil **aviation**

The **aviation** expert analyzed the fluid around the aircraft.

well-defined

adj. having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable

synonym: clear, distinct, precise

(1) **well-defined** terms, (2) **well-defined** objectives

The **well-defined** set of instructions made it easy to assemble the furniture.

engineer

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

courageous

adj. able to face and deal with danger or fear without flinching

synonym: brave, valiant, fearless

(1) make a **courageous** decision, (2) **courageous** rescue attempt

He was a **courageous** soldier who had served his country with honor.

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

chain

n. 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 **chain**

The **chain** on my bike broke, leaving me stranded.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

automotive

adj. of or relating to motor vehicles

synonym: self-propelling

(1) **automotive** manufacturing, (2) an **automotive** transport company

Our company is an **automotive** component supplier to motor manufacturers.

internal

adj. of or relating to the inside of something

synonym: interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

combustion

n. the act or process of burning something

synonym: burning, burst

(1) internal **combustion** engine, (2) spontaneous **combustion**

Combustion of the people grew until the revolt was unavoidable.

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym: motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

cosmetic

adj. relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a

substance that you put on your face or body to enhance its appearance and make it more attractive

synonym : adorning, embellishing, ornamental

(1) minor **cosmetic** changes, (2) **cosmetic** fenders on cars
Cosmetic surgery is becoming more common in Asia due to lowering prices.

competitor

n. a person who participates in a sporting contest; a person or organization that competes with others, particularly in business

synonym : opponent, contender, contestant

(1) beat **competitor** offer, (2) domestic **competitor**

The gap between the company and its **competitors** has widened.

transformation

n. a complete change in form, nature, or appearance of someone or something

synonym : change, conversion, renewal

(1) the **transformation** of a tadpole into a frog, (2) cast a **transformation** spell

Understanding unitary **transformations** of a normal matrix require considerable mathematical sophistication.

transition

n. the process or period of changing from one state or circumstance to another

synonym : change, growth, shift

(1) **transition** phase, (2) ensure a smooth **transition**

The nation's healthcare system is in **transition** at the moment.

valve

n. a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

synonym : tap, spigot, faucet

(1) electromagnetic **valve**, (2) **valve** control

The **valve** on the pipeline was leaking, so maintenance had

to shut it off to make repairs.

transistor

n. a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics

synonym: semiconductor, microchip, circuit

(1) **transistor** radio, (2) **transistor** circuit

The invention of the **transistor** revolutionized the field of electronics.

analog

adj. relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.

(1) an **analog** watch, (2) digitization of **analog** sounds

Mercury thermometers are a type of **analog** sensor.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym: numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

exponential

adj. becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function

Since the 1990s, the Internet has continued to experience **exponential** growth.

plateau

n. an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress

synonym: mesa, tableland, plain

(1) **plateau** region, (2) **plateau** in performance

The hikers finally reached the **plateau** after a long climb up

the mountain.

adoption

n. the action or fact of legally taking another's child as one's own; the act of accepting with approval

synonym: fostering, acceptance, custody

(1) **adoption** assistance, (2) the **adoption** of a plan

The **adoption** process can be long and difficult, but it is worth it for the love of a child.

ratchet

n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement

synonym: gear, wrench, spanner

(1) **ratchet** wrench, (2) **ratchet** effect

He turned the bolt with the **ratchet**, making sure it was secure.

volume

n. the amount of space occupied by an object or substance; the magnitude of sound

synonym: capacity, amount, intensity

(1) **volume** of work, (2) high **volume**

This container has a **volume** of 10 cubic meters.

constant

adj. happening repeatedly or all the time

synonym: ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

definitely

adv. without any question and beyond doubt; clearly

synonym: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

Session 2: Spelling

1. re_____le energy *adj.* capable of being renewed, extended, or replaced
2. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
3. pr_____nt emeritus *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
4. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
5. ec_____y 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
6. co_____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
7. ur_____y in the use of force *n.* the quality of being very important and needing to be dealt with immediately
8. aut_____ve manufacturing *adj.* of or relating to motor vehicles
9. beat com_____or offer *n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business

ANSWERS: 1. renewable, 2. flip, 3. president, 4. renewable, 5. economy, 6. communal, 7. urgency, 8. automotive, 9. competitor

- | | | |
|--------------------------------|-------------|---|
| 10. tr_____m heat into power | <i>v.</i> | to change in outward structure or looks; |
| 11. tra_____on phase | <i>n.</i> | the process or period of changing from one state or circumstance to another |
| 12. internal com_____on engine | <i>n.</i> | the act or process of burning something |
| 13. cou_____us rescue attempt | <i>adj.</i> | able to face and deal with danger or fear without flinching |
| 14. co___r honor | <i>v.</i> | to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something |
| 15. a ch_____on of peace | <i>n.</i> | someone who has won first place in a competition; someone who fights for a specific group of people or a belief |
| 16. the ad_____on of a plan | <i>n.</i> | the action or fact of legally taking another's child as one's own; the act of accepting with approval |
| 17. tra_____or circuit | <i>n.</i> | a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics |
| 18. in_____al organs | <i>adj.</i> | of or relating to the inside of something |
| 19. the morning se_____n | <i>n.</i> | a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity |
| 20. ensure a smooth tra_____on | <i>n.</i> | the process or period of changing from one state or circumstance to another |
| 21. private se___r | <i>n.</i> | a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity |

ANSWERS: 10. transform, 11. transition, 12. combustion, 13. courageous, 14. confer, 15. champion, 16. adoption, 17. transistor, 18. internal, 19. session, 20. transition, 21. sector

22. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
23. flu pa_____ic *n.* an outbreak of a disease that affects many people over a very wide area
24. a vul_____le bridge *adj.* capable of being hurt or influenced physically or mentally
25. the tra_____ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
26. at your own p___e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
27. supply ch___n *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
28. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
29. a fl__t horse *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
30. a steam en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
31. cr_____l information *adj.* extremely vital or necessary
32. wel_____ned terms *adj.* having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable

ANSWERS: 22. opportune, 23. pandemic, 24. vulnerable, 25. transformation, 26. pace, 27. chain, 28. invention, 29. fleet, 30. engine, 31. crucial, 32. well-defined

33. barrier r__f *n.* a long chain or range of rocks or sand near the ocean's surface
34. st__l beam *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
35. electromagnetic va__e *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
36. ins_____ize a system *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
37. establish his ki_____m *n.* the country ruled by a king or queen
38. in_____or lawsuit *n.* someone who puts money or capital into something to gain financial returns
39. tr_____m an education system *v.* to change in outward structure or looks;
40. ur_____ly required *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
41. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
42. a subordinate ki_____m *n.* the country ruled by a king or queen
43. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management

ANSWERS: 33. reef, 34. steel, 35. valve, 36. institutionalize, 37. kingdom, 38. investor, 39. transform, 40. urgently, 41. electrify, 42. kingdom, 43. responsible

44. ce___t blend *v.* make fast as if with cement; (noun) a building material that is a powder made of a mixture of calcined limestone and clay, used with water, sand, and small stones to make concrete
45. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
46. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
47. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
48. in___t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
49. re___d an area *v.* to restore an area of land to its natural state, especially by reintroducing locally extinct species
50. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture
51. high vo___e *n.* the amount of space occupied by an object or substance; the magnitude of sound
52. va__e control *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

ANSWERS: 44. cement, 45. accelerate, 46. engineer, 47. efficient, 48. invest, 49. rewild, 50. nation, 51. volume, 52. valve

53. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
54. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
55. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
56. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
57. a hard and re_____nt steel *adj.* able to withstand or recover quickly from difficult conditions
58. co__l ornament *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
59. tackle the problem ur_____ly *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
60. def_____ly become a problem *adv.* without any question and beyond doubt; clearly
61. ins_____ize customary laws *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

ANSWERS: 53. responsible, 54. digital, 55. flip, 56. digital, 57. resilient, 58. coral, 59. urgently, 60. definitely, 61. institutionalize

62. ec____y 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
63. co__l island *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
64. exp_____al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
65. vice-pr_____nt for finance *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
66. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
67. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
68. sh__k-resistant *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
69. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

ANSWERS: 62. economy, 63. coral, 64. exponential, 65. president, 66. electrify, 67. industrial, 68. shock, 69. specific

70. th___e on pressure *v.* to grow vigorously; to make steady progress
71. a real estate in____or *n.* someone who puts money or capital into something to gain financial returns
72. me____n name *v.* to speak or write about something or someone briefly
73. a confidential se____ry *n.* a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization
74. civil av____on *n.* the activity or process of designing, building, flying, and maintaining aircraft
75. an air-cooled en____e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
76. the runner's p___e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
77. spontaneous com____on *n.* the act or process of burning something
78. minor co____ic changes *adj.* relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive
79. 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

ANSWERS: 70. thrive, 71. investor, 72. mention, 73. secretary, 74. aviation, 75. engine, 76. pace, 77. combustion, 78. cosmetic, 79. planet

80. in___t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
81. ce___t a close relationship *v.* make fast as if with cement; (noun) a building material that is a powder made of a mixture of calcined limestone and clay, used with water, sand, and small stones to make concrete
82. in a co_____ed relationship *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
83. re_____r a loss *v.* to return to a former condition, health, mind, or strength
84. magnetic st__l *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
85. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
86. a cr_____l issue for women *adj.* extremely vital or necessary
87. pl_____u in performance *n.* an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress
88. a co_____nt wind *adj.* happening repeatedly or all the time
89. cellular signaling pa_____ys *n.* a track that constitutes or serves as a path; an approach or a way of doing something

ANSWERS: 80. invest, 81. cement, 82. committed, 83. recover, 84. steel, 85. communal, 86. crucial, 87. plateau, 88. constant, 89. pathway

90. global av_____on industry *n.* the activity or process of designing, building, flying, and maintaining aircraft
91. domestic com_____or *n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business
92. a co_____nt temperature *adj.* happening repeatedly or all the time
93. ad_____on assistance *n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
94. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
95. gov_____nt funding *n.* the group of people with authority to control a country or state
96. pl_____u region *n.* an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress
97. the court se_____n *n.* a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity
98. me_____n in a report *v.* to speak or write about something or someone briefly
99. th___e in a society *v.* to grow vigorously; to make steady progress
100. wel_____ned objectives *adj.* having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable

ANSWERS: 90. aviation, 91. competitor, 92. constant, 93. adoption, 94. invention, 95. government, 96. plateau, 97. session, 98. mention, 99. thrive, 100. well-defined

101. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
102. re____d land *v.* to restore an area of land to its natural state, especially by reintroducing locally extinct species
103. make a cou_____us decision *adj.* able to face and deal with danger or fear without flinching
104. co_____ic fenders on cars *adj.* relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive
105. matter of ur_____y *n.* the quality of being very important and needing to be dealt with immediately
106. a com_____nt to an alliance *n.* a promise or firm decision to do something or to behave in a certain way
107. soil con_____ion *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
108. ind_____al alcohol *adj.* of or relating to or resulting from industry
109. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
110. coral r____fs *n.* a long chain or range of rocks or sand near the ocean's surface
111. pa_____y to understanding *n.* a track that constitutes or serves as a path; an approach or a way of doing something

ANSWERS: 101. government, 102. rewild, 103. courageous, 104. cosmetic, 105. urgency, 106. commitment, 107. conservation, 108. industrial, 109. engineer, 110. reef, 111. pathway

112. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
113. pl____t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
114. the con_____ion law of physics *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
115. exp_____al function *adj.* becoming more and more rapid; of or involving mathematical exponents
116. digitization of an____g sounds *adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
117. an an____g watch *adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
118. ra_____t wrench *n.* a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
119. cor_____us bankruptcy *n.* a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2

ANSWERS: 112. efficient, 113. planet, 114. conservation, 115. exponential, 116. analog, 117. analog, 118. ratchet, 119. coronavirus

120. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
121. a cold cl_____e *n.* the weather in a particular location averaged over some long period
122. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
123. meet his com_____nts *n.* a promise or firm decision to do something or to behave in a certain way
124. vul_____le parts of the body *adj.* capable of being hurt or influenced physically or mentally
125. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
126. vo____e of work *n.* the amount of space occupied by an object or substance; the magnitude of sound
127. an aut_____ve transport company *adj.* of or relating to motor vehicles
128. tra_____or radio *n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
129. military st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
130. co____r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
131. global pa_____ic *n.* an outbreak of a disease that affects many people over a very wide area

ANSWERS: 120. opportune, 121. climate, 122. accelerate, 123. commitment, 124. vulnerable, 125. climate, 126. volume, 127. automotive, 128. transistor, 129. strategy, 130. confer, 131. pandemic

132. ch__n reaction *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
133. death from sh__k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
134. ra____t effect *n.* a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
135. cor____us antibody test kit *n.* a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2
136. conduct fi____nd research *adv.* from the source; directly; (adjective) received directly from a source
137. global em____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
138. industrial se____r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
139. develop a st____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.

ANSWERS: 132. chain, 133. shock, 134. ratchet, 135. coronavirus, 136. firsthand, 137. emission, 138. sector, 139. strategy

140. strong and co_____ed sales staff *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
141. se_____ry general *n.* a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization
142. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
143. the grand ch_____on *n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
144. re_____r approval ratings *v.* to return to a former condition, health, mind, or strength
145. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
146. re_____nt population *adj.* able to withstand or recover quickly from difficult conditions
147. fl__t of foot *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
148. cast a tra_____ion spell *n.* a complete change in form, nature, or appearance of someone or something
149. hear customer's voices fi_____nd *adv.* from the source; directly; (adjective) received directly from a source
150. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 140. committed, 141. secretary, 142. specific, 143. champion, 144. recover, 145. emission, 146. resilient, 147. fleet, 148. transformation, 149. firsthand, 150. nation

151. say def_____ly

adv. without any question and beyond doubt;
clearly

152. the in_____al economy

adj. of or relating to the inside of something

ANSWERS: 151. definitely, 152. internal

Session 3: Fill in the Blanks

1. He was a _____ soldier who had served his country with honor.
adj. able to face and deal with danger or fear without flinching
2. 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
3. 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
4. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
5. She is still _____ from a shot to her shoulder.
v. to return to a former condition, health, mind, or strength
6. The product developed through years of research continues to _____ the market.
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
7. The paper is _____ worth reading thoroughly.
adv. without any question and beyond doubt; clearly
8. Parliament is now in _____.
n. a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity

ANSWERS: 1. courageous, 2. confer, 3. planet, 4. emissions, 5. recovering, 6. electrify, 7. definitely, 8. session

9. The technology _____ is constantly evolving and innovating.
n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
10. The nation's healthcare system is in _____ at the moment.
n. the process or period of changing from one state or circumstance to another
11. She's a _____ pet owner who ensures her dog gets enough exercise and a healthy diet.
adj. answerable or accountable for something within one's power, control, or management
12. Without investment, a business cannot _____.
v. to grow vigorously; to make steady progress
13. _____ surgery is becoming more common in Asia due to lowering prices.
adj. relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive
14. The prime minister canceled visits to other countries to resolve _____ disputes.
adj. of or relating to the inside of something
15. The _____ bicyclist outrode all his competitors.
n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief
16. The phone rang at the most _____ time.
adj. suitable or happening at a time that is suitable or convenient for a particular purpose

ANSWERS: 9. sector, 10. transition, 11. responsible, 12. thrive, 13. Cosmetic, 14. internal, 15. champion, 16. opportune

17. The manager tried to hear customers' voices _____.
- adv.* from the source; directly; (adjective) received directly from a source
18. _____ elections were held in several European countries.
- adj.* belonging to or used by a group rather than individuals; for common use
19. The government is considering a plan to _____ certain areas by reintroducing native species and removing non-native ones.
- v.* to restore an area of land to its natural state, especially by reintroducing locally extinct species
20. The federal _____ is planning to increase taxes for the next fiscal year.
- n.* the group of people with authority to control a country or state
21. 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
22. 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
23. The government tried to _____ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly
24. 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

ANSWERS: 17. firsthand, 18. Communal, 19. rewild, 20. government, 21. chain, 22. economy, 23. accelerate, 24. nation

25. The economy is growing at a supercharged _____.
n. the speed at which someone or something moves, or the rate at which something happens or changes
26. The government should view children as national assets and actively _____ in them.
v. to put money, effort, time, etc. into something to make a profit or achieve a result
27. My father's death _____ my life completely.
v. to change in outward structure or looks;
28. _____ of the people grew until the revolt was unavoidable.
n. the act or process of burning something
29. This bridge is the third largest _____ bridge in the world.
n. a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
30. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
31. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
32. _____ dropping wears away the stone.
adj. happening repeatedly or all the time

ANSWERS: 25. pace, 26. invest, 27. transformed, 28. Combustion, 29. steel, 30. Climate, 31. engineer, 32. Constant

33. They are eager to _____ a positive reputation.
- v.* make fast as if with cement; (noun) a building material that is a powder made of a mixture of calcined limestone and clay, used with water, sand, and small stones to make concrete
34. He _____ when he heard that he had been accepted into the university.
- v.* to turn over into a different position quickly; to throw or toss with a light motion
35. The _____ set of instructions made it easy to assemble the furniture.
- adj.* having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable
36. The production of _____ fuels requires massive volumes of fresh water.
- adj.* capable of being renewed, extended, or replaced
37. He got an electric _____ at work.
- n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
38. The _____ process can be long and difficult, but it is worth it for the love of a child.
- n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
39. Our plan includes a comprehensive marketing _____.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
40. Considering the situation of _____ organized stopped this year's beer festival.
- n.* a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2

ANSWERS: 33. cement, 34. flipped, 35. well-defined, 36. renewable, 37. shock, 38. adoption, 39. strategy, 40. coronavirus,

41. Institutional _____ refrained from buying stocks amid the booming economy.
n. someone who puts money or capital into something to gain financial returns
42. Since the 1990s, the Internet has continued to experience _____ growth.
adj. becoming more and more rapid; of or involving mathematical exponents
43. Our company is an _____ component supplier to motor manufacturers.
adj. of or relating to motor vehicles
44. By remaining neutral, this _____ continued to exist.
n. the country ruled by a king or queen
45. The hikers finally reached the _____ after a long climb up the mountain.
n. an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress
46. His business _____ took him to the United States.
n. a promise or firm decision to do something or to behave in a certain way
47. 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
48. _____ design has become more focused on human nature aspect than ever before.
adj. of or relating to or resulting from industry
49. Mercury thermometers are a type of _____ sensor.
adj. relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.

ANSWERS: 41. investors, 42. exponential, 43. automotive, 44. kingdom, 45. plateau, 46. commitments, 47. mentioned, 48. Industrial, 49. analog

50. The club _____ does not have absolute power.
- n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
51. The scientist conducted a study that provided _____ details about the species' behavior.
- adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
52. When the first molecule in the _____ receives a signal, it activates other molecules.
- n.* a track that constitutes or serves as a path; an approach or a way of doing something
53. The _____ on the pipeline was leaking, so maintenance had to shut it off to make repairs.
- n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
54. The gap between the company and its _____ has widened.
- n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business
55. He turned the bolt with the _____ making sure it was secure.
- n.* a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
56. The revitalization of technology companies is _____ to the country's growth.
- adj.* extremely vital or necessary

ANSWERS: 50. president, 51. specific, 52. pathway, 53. valve, 54. competitors, 55. ratchet, 56. crucial

57. She is a _____ person and has always bounced back from setbacks.

adj. able to withstand or recover quickly from difficult conditions

58. Infants and pregnant women are particularly _____.

adj. capable of being hurt or influenced physically or mentally

59. Sensors convert physical phenomena into _____ signals.

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

60. Understanding unitary _____ of a normal matrix require considerable mathematical sophistication.

n. a complete change in form, nature, or appearance of someone or something

61. This container has a _____ of 10 cubic meters.

n. the amount of space occupied by an object or substance; the magnitude of sound

62. She is wearing a _____ necklace.

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

63. Our company is strongly _____ to meeting customers' needs.

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

64. The forest was recently designated a _____ area.

n. the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

ANSWERS: 57. resilient, 58. vulnerable, 59. digital, 60. transformations, 61. volume, 62. coral, 63. committed, 64. conservation

65. Necessity is the mother of _____.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
66. The _____ expert analyzed the fluid around the aircraft.
- n.* the activity or process of designing, building, flying, and maintaining aircraft
67. The invention of the _____ revolutionized the field of electronics.
- n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
68. The new washing machine is much more _____ than the old one.
- adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
69. She departed hurriedly because of some significant _____ in their affairs.
- n.* the quality of being very important and needing to be dealt with immediately
70. The chief _____ was responsible for organizing the meeting.
- n.* a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization
71. The new policy aims to _____ the use of renewable energy sources.
- v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
72. The policies he announces can be the _____ of economic growth in the country.
- n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

ANSWERS: 65. invention, 66. aviation, 67. transistor, 68. efficient, 69. urgency, 70. secretary, 71. institutionalize, 72. engine

73. I need to send this email _____.

adv. in a way that requires immediate action or attention, especially before anything else, because of being very important

74. We destroyed a _____ of 70 enemy ships.

n. a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast

75. The vessel ran aground on a _____.

n. a long chain or range of rocks or sand near the ocean's surface

76. They fear a _____ of a new type of virus.

n. an outbreak of a disease that affects many people over a very wide area

ANSWERS: 73. urgently, 74. fleet, 75. reef, 76. pandemic