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Vocabulary Builder Reference from...

Dan Jørgensen: How wind energy could power Earth ... 18 times over | TED Talk

https://www.ted.com/talks/dan_jorgensen_how_wind_energy_could_power_earth_18_times_over

All Words

IMPORTANT

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Session 1: Word List

quotation

n. a group of words taken from a text or speech and repeated by someone other than the original author or speaker

synonym: excerpt, passage, quote

(1) double **quotation** marks, (2) take a **quotation**

He included a **quotation** from the book in his essay.

argue

v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

synonym: debate, dispute, quarrel

(1) **argue** a case, (2) **argue** passionately

The couple began to **argue** over which restaurant to go to for dinner.

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.

replace

v. to take the place of something

synonym: substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone
Eventually, the new design will **replace** all older models.

coal

n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

synonym: ember

(1) a **coal-fired** ship, (2) construction of new **coal** plants
We combust **coal** and other fossil fuels to generate electricity.

abundance

n. a significant amount of something; the situation in which there is too much of something

synonym: plenty, affluence, plentitude

(1) an age of **abundance**, (2) an **abundance** of examples
A healthy farm provides an **abundance** of food.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym: pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

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.

historic

adj. famous or significant in history, or potentially so

synonym: memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

countryman

n. (considered non-inclusive) a person who lives in the country or a rural area; a compatriot or fellow citizen
synonym: rural, peasant, farmer

(1) **countryman** lifestyle, (2) traditional **countryman**

The local **countryman** is known for his hospitality and warmth towards visitors.

helmet

n. a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
synonym: headgear, head protector, safety hat

(1) **helmet** size, (2) safety **helmet**

The worker survived the impact because they were wearing sturdy **helmets**.

beard

n. hair that grows on a man's face, often around the mouth and chin
synonym: facial hair, whiskers, stubble

(1) a black **beard**, (2) shave my **beard**

He grew a thick **beard** to change his appearance.

indulge

v. to allow oneself or another person to have or enjoy something, especially something that is considered to be a luxury or treat
synonym: pamper, gratify, entertain

(1) **indulge** in debauchery, (2) **indulge** children

She **indulged** in a warm bath after a long day at work.

heyday

n. a period of success or popularity; the peak or prime of something
synonym: prime, zenith, peak

(1) the **heyday** of rock music, (2) high-tech **heyday**

The restaurant was famous in its **heyday** for its delicious food and famous patrons

crisis

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

synonym : concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

fortress

n. a large and strongly built structure, typically with high walls and a moat, used as a military defense or for protection against attackers

synonym : castle, citadel, stronghold

(1) **fortress** wall, (2) military **fortress**

The ancient **fortress** was built on a hill to give the defenders a strategic advantage.

workshop

n. a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group

synonym : studio, laboratory, atelier

(1) **workshop** attendee, (2) carpentry **workshop**

The artist held a **workshop** to teach students how to paint with watercolors.

barn

n. a large farm building used for storage of crops or housing livestock

synonym : shed, outbuilding, granary

(1) **barn** building, (2) a **barn** for cows

The old **barn** on the farm was used to store hay and other equipment.

accomplished

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

synonym : achieved, finished, completed

(1) **accomplished** at a very early age, (2) **accomplished** goal

She felt **accomplished** after finishing her book.

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.

turbine

n. a machine that rotates to generate power from fluids such as water or gas

synonym: engine, generator, power plant

(1) **turbine** energy, (2) **turbine** aerofoil

The wind **turbines** were spinning rapidly, generating clean energy for the nearby town.

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.

replica

n. an exact copy of something such as a work of art

synonym: imitation, reproduction, replication

(1) miniature **replica**, (2) exact **replica**

An artist sculpted a full-size **replica** of her body.

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

affordable

adj. not expensive and able to pay

synonym: cheap, reasonable, inexpensive

(1) **affordable** housing, (2) **affordable** solution

The automaker has been providing **affordable** car financing options since last year.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

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**.

prototype

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

synonym : mock-up, precursor, model

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

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

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.

pioneer

n. inventor; explorer; someone who is among the first to achieve something

synonym : frontiersperson, innovator, trailblazer

(1) act as a **pioneer**, (2) early **pioneers**

John Whitney was a computer animation **pioneer**.

offshore

adj. situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land

synonym : seaward, alongshore

(1) an **offshore** oil field, (2) an **offshore** fund

The company undertakes **offshore** development for software companies in many countries.

landmark

n. a notable or important event, place, or achievement; a significant object or feature that serves as a reference point

synonym : marker, reference point, guidepost

(1) a **landmark** discovery, (2) historical **landmark**

The Empire State Building is a **landmark** in New York City.

flak

n. heavy and constant criticism, opposition, or hostility directed towards someone or something; anti-aircraft guns or artillery fire

synonym : criticism, opposition, censure

(1) get **flak**, (2) **flak** battery

Politicians often receive much **flak** from citizens for their decisions.

comparison

n. the consideration or examination of the similarities between two or more people or things

synonym : equivalence, analogy, contrast

(1) ease of **comparison**, (2) **comparison** of foods on a caloric basis

I've included the two designs for a **comparison**.

statue

n. a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way

synonym : sculpture, figurine, monument

(1) a beautiful **statue**, (2) the ancient Egyptian **statues**

The **statue** of the famous hero stood proudly in the town square.

liberty

n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life,

behavior, or political views

synonym: freedom, autonomy, independence

(1) personal **liberty**, (2) **liberty** as a right

The founding fathers fought for the **liberty** of the American people.

rotation

n. the action or process of moving in a circle around an axis or center

synonym: revolution, spin, turning

(1) job **rotation**, (2) a period of **rotation**

The **rotation** of the Earth causes day and night.

blade

n. the flat part of a knife, weapon, or machine with a very thin edge used for cutting

synonym: knife, sword, cutter

(1) a **blade** of grass, (2) the **blade** of a turbine

The **blade** of the katana itself is still in excellent condition.

spark

v. to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity

synonym: start, inspire, provoke

(1) **spark** his interest, (2) **spark** a chain reaction

The bankruptcy of the giant conglomerate **sparked** turmoil in the stock market.

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.

influence

n. the ability to affect someone's or something's character, growth, or behavior, or the effect itself

synonym: power, leverage, effect

(1) **influence** a child's future, (2) **influence** the daily life
The former emperor had a particular **influence** even after he abdicated.

front-runner

n. a person or thing that is ahead of the competition; a leading candidate in an election or race

synonym: leader, innovator, top contender

(1) the **front-runner** in the sports industry, (2) political **front-runner**

He is the clear **front-runner** in the election for the new CEO.

rank

n. a position in a hierarchy of status or authority; (verb) to take or have a position relative to others

synonym: position, status, standing

(1) **rank** amateur, (2) high **rank**

He was promoted to the **rank** of captain in the military.

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.

parliament

n. a legislative body, especially the one that represents the people of a country or state

synonym: congress, assembly, legislature

(1) disband **parliament**, (2) event of a hung **parliament**

He was a member of **parliament**.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

synonym: choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job

offers.

decide

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

synonym: choose, determine, settle

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

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

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (*verb*) to obtain from something or to remove something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

immediately

adv. now or without delay

synonym: directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

cancel

v. to decide that a previously scheduled activity will not take place

synonym: abort, invalidate, annul

(1) **cancel** a class, (2) **cancel** a free subscription trial

When customers **cancel** their reservations, they lose the deposit they made.

alternative

n. one of two or more available possibilities or choice

synonym: choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

jet

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

synonym : plane, aircraft, flier

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

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

fuel

n. a substance that is typically burned to generate heat or energy

synonym : energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

bunker

n. a concrete shelter or underground room, typically for storing ammunition or protecting people from enemy fire; a hazard on a golf course; a large container for storing fuel

synonym : shelter, fortification, defense

(1) coal **bunker**, (2) **bunker** facility

The soldiers took cover in the dug-out **bunker** during the bombing.

electrolysis

n. a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution

(1) **electrolysis** apparatus, (2) copper **electrolysis** process

The **electrolysis** of water produces oxygen and hydrogen.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym: purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

commerce

n. the activity of buying and selling things, especially on a large scale

synonym: trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

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.

hydrogen

n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

(1) **hydrogen** gas, (2) heavy **hydrogen**

The **hydrogen** and the oxygen react and then form water.

decarbonize

v. to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

synonym: decoke, decarburise, decarburize

(1) **decarbonize** their manufacturing process,

(2) **decarbonize** its energy system

We have to seek methods to **decarbonize** its fossil fuel

economy.

sustainable

adj. able to continue or be continued for a long time

synonym : continuable, enduring, tolerable

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

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

fiction

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

synonym : fantasy, fable, invention

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

Truth is stranger than **fiction**.

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.

massive

adj. enormous amount; very heavy and solid

synonym : enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

expand

v. to increase or to make something greater in size, number, or importance

synonym : extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

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**.

simulate

v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

synonym : pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario

He had painted the wood to **simulate** stone.

infrastructure

n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

synonym : foundation, framework

(1) IT **infrastructure**, (2) **infrastructure** cost

Aging societies tend to require huge costs for **infrastructure** maintenance.

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.

generate

v. to produce or create something; to make offspring by reproduction

synonym : create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month

The economic stimulation program would **generate** a lot of new jobs.

watt

n. a standard unit for measuring electrical power

(1) 30- **watt** light bulb, (2) **watt** per square meter

Several hectares of land are needed to generate more than 1-mega **watt** solar power.

export

v. to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use

synonym: ship, send, transfer

(1) **export** goods, (2) **export** the data

The country **exports** a large amount of agricultural products.

thereby

adv. as a result; consequence of a particular action or set of conditions

synonym: thus, hence, as a result

(1) **thereby-obtained** data, (2) **thereby** improving overall health

The new software will streamline the workflow, **thereby** increasing productivity.

exploit

v. to make full use of and gain an advantage from resources, opportunities, etc.

synonym: use, abuse, control

(1) **exploit** a security hole, (2) **exploit** a valuable opportunity

We **exploit** our mining resources to strengthen our national power.

tremendous

adj. very great in degree or extent or amount or impact; extremely good

synonym: enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

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.

slightly

adv. in a small degree or extent; a little
synonym: barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils
He moved his body **slightly** to the left.

motivation

n. the reason or enthusiasm for acting or behaving in a particular way

synonym: inspiration, incentive, reason

(1) understand his **motivation**, (2) **motivation** for a change
A significant amount of **motivation** is required to be a teacher.

beg

v. to ask for something urgently or earnestly; to appeal to someone to do something

synonym: plead, implore, entreat

(1) **beg** the question, (2) **beg** for help
She **begged** her parents to let her go to the concert.

differ

v. to be not like someone or something in some way

synonym: vary, diverge, disagree

(1) **differ** from the majority, (2) **differ** according to species
The two products **differed** in their quality and price.

innovate

v. to introduce new methods, ideas, or products

synonym: bring in, introduce, found

(1) **innovate** a new method, (2) **innovate** the quality of his life

Companies developing self-driving cars consistently **innovate** the emerging technologies.

chant

n. a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical

intonation

synonym: hymn, mantra, (verb) recite

(1) **chant** melodies, (2) **chant** in the chapel

The soccer game crowd broke into a **chant** of "Go, team, go!"

countdown

n. a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline

synonym: timer

(1) **countdown** clock, (2) wedding **countdown**

The **countdown** to launch began as the astronauts prepared for their mission.

Session 2: Spelling

1. tu____e aerofoil *n.* a machine that rotates to generate power from fluids such as water or gas
2. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
3. non-fi____n bestseller *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
4. 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
5. ge____te \$100 a month *v.* to produce or create something; to make offspring by reproduction
6. an ab____ce of examples *n.* a significant amount of something; the situation in which there is too much of something
7. re____e one word with another *v.* to take the place of something
8. there is no other alt____ve *n.* one of two or more available possibilities or choice
9. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
10. a b__n for cows *n.* a large farm building used for storage of crops or housing livestock
11. sl____ly alkaline soils *adv.* in a small degree or extent; a little

ANSWERS: 1. turbine, 2. critic, 3. fiction, 4. planet, 5. generate, 6. abundance, 7. replace, 8. alternative, 9. fuel, 10. barn, 11. slightly

- | | | |
|--|----|---|
| 12. re_____e a phone | v. | to take the place of something |
| 13. ca___l a free subscription trial | v. | to decide that a previously scheduled activity will not take place |
| 14. ease of com_____on | n. | the consideration or examination of the similarities between two or more people or things |
| 15. de___e a question | v. | to make up someone's mind about something; to come to a conclusion or judgment after considering options |
| 16. the he___y of rock music | n. | a period of success or popularity; the peak or prime of something |
| 17. si_____te climate change | v. | to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes |
| 18. cr___s management | n. | a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken |
| 19. ch__t melodies | n. | a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation |
| 20. com_____on of foods on a caloric basis | n. | the consideration or examination of the similarities between two or more people or things |
| 21. co_____wn clock | n. | a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline |

ANSWERS: 12. replace, 13. cancel, 14. comparison, 15. decide, 16. heyday, 17. simulate, 18. crisis, 19. chant, 20. comparison, 21. countdown

22. stuff of science fi____n *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
23. personal li____y *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
24. the bl__e of a turbine *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
25. understand his mot____on *n.* the reason or enthusiasm for acting or behaving in a particular way
26. a brief ex____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
27. a beautiful st___e *n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
28. botanical ex____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
29. tre____us amount *adj.* very great in degree or extent or amount or impact; extremely good

ANSWERS: 22. fiction, 23. liberty, 24. blade, 25. motivation, 26. extract, 27. statue, 28. extract, 29. tremendous

30. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
31. hy_____en gas *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
32. disband par_____nt *n.* a legislative body, especially the one that represents the people of a country or state
33. aff_____le housing *adj.* not expensive and able to pay
34. a bl__e of grass *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
35. tr_____rm an education system *v.* to change in outward structure or looks;
36. 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
37. fo_____ss wall *n.* a large and strongly built structure, typically with high walls and a moat, used as a military defense or for protection against attackers
38. th_____y improving overall health *adv.* as a result; consequence of a particular action or set of conditions
39. carpentry wo_____op *n.* a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group

ANSWERS: 30. eventually, 31. hydrogen, 32. parliament, 33. affordable, 34. blade, 35. transform, 36. efficient, 37. fortress, 38. thereby, 39. workshop

40. an of _____re fund *adj.* situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
41. political fro _____ner *n.* a person or thing that is ahead of the competition; a leading candidate in an election or race
42. imm _____ly recall a product *adv.* now or without delay
43. ma _____e amounts *adj.* enormous amount; very heavy and solid
44. art cr _____c *n.* someone who expresses opinions about the quality of books, music, etc.
45. heavy hy _____en *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
46. ex _____t a security hole *v.* to make full use of and gain an advantage from resources, opportunities, etc.
47. tre _____us popularity *adj.* very great in degree or extent or amount or impact; extremely good
48. in _____t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
49. exact re _____a *n.* an exact copy of something such as a work of art
50. ar _____e a case *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

ANSWERS: 40. offshore, 41. front-runner, 42. immediately, 43. massive, 44. critic, 45. hydrogen, 46. exploit, 47. tremendous, 48. invest, 49. replica, 50. argue

51. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
52. f__k battery *n.* heavy and constant criticism, opposition, or hostility directed towards someone or something; anti-aircraft guns or artillery fire
53. in_____ce a child's future *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
54. mot_____on for a change *n.* the reason or enthusiasm for acting or behaving in a particular way
55. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
56. early pr_____pe *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
57. aff_____le solution *adj.* not expensive and able to pay
58. ex___d a lineup *v.* to increase or to make something greater in size, number, or importance
59. di___r according to species *v.* to be not like someone or something in some way
60. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
61. early pi_____rs *n.* inventor; explorer; someone who is among the first to achieve something
62. tu_____e energy *n.* a machine that rotates to generate power from fluids such as water or gas

ANSWERS: 51. sustainable, 52. flak, 53. influence, 54. motivation, 55. engineer, 56. prototype, 57. affordable, 58. expand, 59. differ, 60. government, 61. pioneer, 62. turbine

63. 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
64. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
65. si_____te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
66. sp__k his interest *v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity
67. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
68. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
69. gov_____nt funding *n.* the group of people with authority to control a country or state
70. private j_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
71. take a qu_____on *n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker

ANSWERS: 63. efficient, 64. lab, 65. simulate, 66. spark, 67. nation, 68. decision, 69. government, 70. jet, 71. quotation

72. in_____e children *v.* to allow oneself or another person to have or enjoy something, especially something that is considered to be a luxury or treat
73. th_____y-obtained data *adv.* as a result; consequence of a particular action or set of conditions
74. 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
75. ex_____t a valuable opportunity *v.* to make full use of and gain an advantage from resources, opportunities, etc.
76. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
77. event of a hung par_____nt *n.* a legislative body, especially the one that represents the people of a country or state
78. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
79. b_g the question *v.* to ask for something urgently or earnestly; to appeal to someone to do something

ANSWERS: 72. indulge, 73. thereby, 74. electrify, 75. exploit, 76. function, 77. parliament, 78. commerce, 79. beg

- | | | |
|---------------------------------------|-----------|--|
| 80. job ro_____on | <i>n.</i> | the action or process of moving in a circle around an axis or center |
| 81. di___r from the majority | <i>v.</i> | to be not like someone or something in some way |
| 82. bu___r facility | <i>n.</i> | a concrete shelter or underground room, typically for storing ammunition or protecting people from enemy fire; a hazard on a golf course; a large container for storing fuel |
| 83. develop a st_____gy | <i>n.</i> | a detailed plan of action designed to achieve a long-term or overall goal. |
| 84. act as a pi_____r | <i>n.</i> | inventor; explorer; someone who is among the first to achieve something |
| 85. in_____te the quality of his life | <i>v.</i> | to introduce new methods, ideas, or products |
| 86. pl___t like the Earth | <i>n.</i> | any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star |
| 87. in_____ce the daily life | <i>n.</i> | the ability to affect someone's or something's character, growth, or behavior, or the effect itself |
| 88. he___t size | <i>n.</i> | a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress |
| 89. 30-w__t light bulb | <i>n.</i> | a standard unit for measuring electrical power |
| 90. get f__k | <i>n.</i> | heavy and constant criticism, opposition, or hostility directed towards someone or something; anti-aircraft guns or artillery fire |

ANSWERS: 80. rotation, 81. differ, 82. bunker, 83. strategy, 84. pioneer, 85. innovate, 86. planet, 87. influence, 88. helmet, 89. watt, 90. flak

91. in_____te a new method *v.* to introduce new methods, ideas, or products
92. an of _____re oil field *adj.* situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
93. in____t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
94. ex____d agricultural output *v.* to increase or to make something greater in size, number, or importance
95. shave my be__d *n.* hair that grows on a man's face, often around the mouth and chin
96. acc_____hed goal *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
97. the fro_____ner in the sports industry *n.* a person or thing that is ahead of the competition; a leading candidate in an election or race
98. IT inf _____ure *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
99. an alt_____ve plan *n.* one of two or more available possibilities or choice
100. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
101. dec_____ze their manufacturing process *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

ANSWERS: 91. innovate, 92. offshore, 93. invest, 94. expand, 95. beard, 96. accomplished, 97. front-runner, 98. infrastructure, 99. alternative, 100. engineer, 101. decarbonize

102. ex___t the data *v.* to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use
103. principles of sus_____le development *adj.* able to continue or be continued for a long time
104. b__n building *n.* a large farm building used for storage of crops or housing livestock
105. a la_____rk discovery *n.* a notable or important event, place, or achievement; a significant object or feature that serves as a reference point
106. 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
107. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
108. biomass f__l *n.* a substance that is typically burned to generate heat or energy
109. a black be__d *n.* hair that grows on a man's face, often around the mouth and chin
110. w__t per square meter *n.* a standard unit for measuring electrical power
111. coal bu___r *n.* a concrete shelter or underground room, typically for storing ammunition or protecting people from enemy fire; a hazard on a golf course; a large container for storing fuel

ANSWERS: 102. export, 103. sustainable, 104. barn, 105. landmark, 106. electrify, 107. nation, 108. fuel, 109. beard, 110. watt, 111. bunker

112. de_____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
113. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
114. a cold cl_____e *n.* the weather in a particular location averaged over some long period
115. double qu_____on marks *n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
116. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
117. complete a pr_____pe product *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
118. commercial j_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
119. military st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
120. the ancient Egyptian st____es *n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
121. re_____le energy *adj.* capable of being renewed, extended, or replaced
122. financial cr____s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

ANSWERS: 112. decision, 113. invention, 114. climate, 115. quotation, 116. eventually, 117. prototype, 118. jet, 119. strategy, 120. statue, 121. renewable, 122. crisis

123. safety he___t *n.* a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
124. military fo_____ss *n.* a large and strongly built structure, typically with high walls and a moat, used as a military defense or for protection against attackers
125. r__k amateur *n.* a position in a hierarchy of status or authority; (verb) to take or have a position relative to others
126. tr_____te a document into English *v.* to convert or change words into another language
127. high-tech he___y *n.* a period of success or popularity; the peak or prime of something
128. cou_____an lifestyle *n.* (considered non-inclusive) a person who lives in the country or a rural area; a compatriot or fellow citizen
129. dec_____ze its energy system *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
130. the tra_____ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
131. increase sl_____ly *adv.* in a small degree or extent; a little
132. miniature re_____a *n.* an exact copy of something such as a work of art
133. li_____y as a right *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

ANSWERS: 123. helmet, 124. fortress, 125. rank, 126. translate, 127. heyday, 128. countryman, 129. decarbonize, 130. transformation, 131. slightly, 132. replica, 133. liberty

134. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
135. wo____op attendee *n.* a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group
136. sp__k a chain reaction *v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity
137. tr_____rm heat into power *v.* to change in outward structure or looks;
138. cast a tra_____ion spell *n.* a complete change in form, nature, or appearance of someone or something
139. inf _____ure cost *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
140. an age of ab_____ce *n.* a significant amount of something; the situation in which there is too much of something
141. hi____ic accomplishment *adj.* famous or significant in history, or potentially so
142. b_g for help *v.* to ask for something urgently or earnestly; to appeal to someone to do something

ANSWERS: 134. function, 135. workshop, 136. spark, 137. transform, 138. transformation, 139. infrastructure, 140. abundance, 141. historic, 142. beg

143. ar__e passionately *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
144. wedding co_____wn *n.* a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline
145. achieve the hi_____ic feat *adj.* famous or significant in history, or potentially so
146. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
147. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
148. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
149. ele_____sis apparatus *n.* a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution
150. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
151. ge_____te more electricity *v.* to produce or create something; to make offspring by reproduction
152. tr_____te the emotion to a movement *v.* to convert or change words into another language
153. in_____e in debauchery *v.* to allow oneself or another person to have or enjoy something, especially something that is considered to be a luxury or treat

ANSWERS: 143. argue, 144. countdown, 145. historic, 146. lab, 147. commerce, 148. climate, 149. electrolysis, 150. decide, 151. generate, 152. translate, 153. indulge

154. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
155. high r__k *n.* a position in a hierarchy of status or authority; (verb) to take or have a position relative to others
156. construction of new c__l plants *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
157. common in _____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
158. a c__l-fired ship *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
159. acc_____hed at a very early age *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
160. ex__t goods *v.* to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use
161. traditional cou_____an *n.* (considered non-inclusive) a person who lives in the country or a rural area; a compatriot or fellow citizen
162. ca__l a class *v.* to decide that a previously scheduled activity will not take place
163. write him an answer imm_____ly *adv.* now or without delay
164. a period of ro_____on *n.* the action or process of moving in a circle around an axis or center

ANSWERS: 154. renewable, 155. rank, 156. coal, 157. invention, 158. coal, 159. accomplished, 160. export, 161. countryman, 162. cancel, 163. immediately, 164. rotation

165. ch__t in the chapel *n.* a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation
166. historical la____rk *n.* a notable or important event, place, or achievement; a significant object or feature that serves as a reference point
167. ma____e stars *adj.* enormous amount; very heavy and solid
168. copper ele____sis process *n.* a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution

ANSWERS: 165. chant, 166. landmark, 167. massive, 168. electrolysis

Session 3: Fill in the Blanks

1. Our plan includes a comprehensive marketing _____.
n. a detailed plan of action designed to achieve a long-term or overall goal.
2. _____ the text from Italian into English.
v. to convert or change words into another language
3. The local _____ is known for his hospitality and warmth towards visitors.
n. (considered non-inclusive) a person who lives in the country or a rural area; a compatriot or fellow citizen
4. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
5. We had a _____ time yesterday.
adj. very great in degree or extent or amount or impact; extremely good
6. John Whitney was a computer animation _____.
n. inventor; explorer; someone who is among the first to achieve something
7. He grew a thick _____ to change his appearance.
n. hair that grows on a man's face, often around the mouth and chin
8. I've included the two designs for a _____.
n. the consideration or examination of the similarities between two or more people or things
9. The brain is an incredibly complex organ that controls the body's _____.
n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 1. strategy, 2. Translate, 3. countryman, 4. Climate, 5. tremendous, 6. pioneer, 7. beard, 8. comparison, 9. function

10. Several hectares of land are needed to generate more than 1-mega_____ solar power.
n. a standard unit for measuring electrical power
11. The soldiers took cover in the dug-out _____ during the bombing.
n. a concrete shelter or underground room, typically for storing ammunition or protecting people from enemy fire; a hazard on a golf course; a large container for storing fuel
12. 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
13. He was a member of _____.
n. a legislative body, especially the one that represents the people of a country or state
14. The _____ to launch began as the astronauts prepared for their mission.
n. a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline
15. The government should do more to support environmentally _____ agriculture.
adj. able to continue or be continued for a long time
16. The _____ of water produces oxygen and hydrogen.
n. a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution
17. We _____ our mining resources to strengthen our national power.
v. to make full use of and gain an advantage from resources, opportunities, etc.

ANSWERS: 10. watt, 11. bunker, 12. government, 13. parliament, 14. countdown, 15. sustainable, 16. electrolysis, 17. exploit

18. The ____ flew over the ocean at high speed, reaching its destination in hours.
n. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
19. 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
20. The soccer game crowd broke into a _____ of "Go, team, go!"
n. a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation
21. My father's death _____ my life completely.
v. to change in outward structure or looks;
22. She _____ in a warm bath after a long day at work.
v. to allow oneself or another person to have or enjoy something, especially something that is considered to be a luxury or treat
23. The restaurant was famous in its _____ for its delicious food and famous patrons
n. a period of success or popularity; the peak or prime of something
24. Anesthetize the gum before _____ the teeth.
n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
25. The automaker has been providing _____ car financing options since last year.
adj. not expensive and able to pay

ANSWERS: 18. jet, 19. invest, 20. chant, 21. transformed, 22. indulged, 23. heyday, 24. extracting, 25. affordable

26. She couldn't _____ whether to order the pizza or the pasta for dinner.
v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
27. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
n. a workplace for the conduct of scientific research; a laboratory
28. He was promoted to the _____ of captain in the military.
n. a position in a hierarchy of status or authority; (verb) to take or have a position relative to others
29. We have to seek methods to _____ its fossil fuel economy.
v. to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
30. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
31. We combust _____ and other fossil fuels to generate electricity.
n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
32. The recent economic downturn has resulted in _____ layoffs.
adj. enormous amount; very heavy and solid
33. The _____ of the katana itself is still in excellent condition.
n. the flat part of a knife, weapon, or machine with a very thin edge used for cutting

ANSWERS: 26. decide, 27. lab, 28. rank, 29. decarbonize, 30. engineer, 31. coal, 32. massive, 33. blade

34. She was struggling to make a _____ between two job offers.
- n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
35. The corporation _____ dominated the entire tobacco business.
- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
36. Truth is stranger than _____.
- n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
37. The founding fathers fought for the _____ of the American people.
- n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
38. 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
39. The artist held a _____ to teach students how to paint with watercolors.
- n.* a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group
40. The former emperor had a particular _____ even after he abdicated.
- n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
41. A healthy farm provides an _____ of food.
- n.* a significant amount of something; the situation in which there is too much of something

ANSWERS: 34. decision, 35. eventually, 36. fiction, 37. liberty, 38. nation, 39. workshop, 40. influence, 41. abundance

42. 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
43. 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
44. When customers _____ their reservations, they lose the deposit they made.
- v.* to decide that a previously scheduled activity will not take place
45. Aging societies tend to require huge costs for _____ maintenance.
- n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
46. He had painted the wood to _____ stone.
- v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
47. This company has invested heavily in Internet _____.
- n.* the activity of buying and selling things, especially on a large scale
48. Politicians often receive much _____ from citizens for their decisions.
- n.* heavy and constant criticism, opposition, or hostility directed towards someone or something; anti-aircraft guns or artillery fire
49. A significant amount of _____ is required to be a teacher.
- n.* the reason or enthusiasm for acting or behaving in a particular way

ANSWERS: 42. electrify, 43. planet, 44. cancel, 45. infrastructure, 46. simulate, 47. commerce, 48. flak, 49. motivation

50. Advocates for legal reform hear less harsh words from their _____.
- n.* someone who expresses opinions about the quality of books, music, etc.
51. He included a _____ from the book in his essay.
- n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
52. Companies developing self-driving cars consistently _____ the emerging technologies.
- v.* to introduce new methods, ideas, or products
53. The _____ and the oxygen react and then form water.
- n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
54. The new software will streamline the workflow, _____ increasing productivity.
- adv.* as a result; consequence of a particular action or set of conditions
55. The _____ of the famous hero stood proudly in the town square.
- n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
56. The couple began to _____ over which restaurant to go to for dinner.
- v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
57. An artist sculpted a full-size _____ of her body.
- n.* an exact copy of something such as a work of art

ANSWERS: 50. critics, 51. quotation, 52. innovate, 53. hydrogen, 54. thereby, 55. statue, 56. argue, 57. replica

58. The country _____ a large amount of agricultural products.
v. to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use
59. The Empire State Building is a _____ in New York City.
n. a notable or important event, place, or achievement; a significant object or feature that serves as a reference point
60. The two products _____ in their quality and price.
v. to be not like someone or something in some way
61. Eventually, the new design will _____ all older models.
v. to take the place of something
62. The wind _____ were spinning rapidly, generating clean energy for the nearby town.
n. a machine that rotates to generate power from fluids such as water or gas
63. The Chinese people have accomplished several _____ feats.
adj. famous or significant in history, or potentially so
64. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.
n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
65. A suspension order from the court is effective _____.
adv. now or without delay

ANSWERS: 58. exports, 59. landmark, 60. differed, 61. replace, 62. turbines, 63. historic, 64. crisis, 65. immediately

66. The company undertakes _____ development for software companies in many countries.
adj. situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
67. The production of _____ fuels requires massive volumes of fresh water.
adj. capable of being renewed, extended, or replaced
68. The old _____ on the farm was used to store hay and other equipment.
n. a large farm building used for storage of crops or housing livestock
69. She _____ her parents to let her go to the concert.
v. to ask for something urgently or earnestly; to appeal to someone to do something
70. Understanding unitary _____ of a normal matrix require considerable mathematical sophistication.
n. a complete change in form, nature, or appearance of someone or something
71. Doctors are gradually coming around to the idea of using _____ medicines.
n. one of two or more available possibilities or choice
72. 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
73. The ancient _____ was built on a hill to give the defenders a strategic advantage.
n. a large and strongly built structure, typically with high walls and a moat, used as a military defense or for protection against attackers

ANSWERS: 66. offshore, 67. renewable, 68. barn, 69. begged, 70. transformations, 71. alternative, 72. efficient, 73. fortress

74. The _____ of the Earth causes day and night.

n. the action or process of moving in a circle around an axis or center

75. The bankruptcy of the giant conglomerate _____ turmoil in the stock market.

v. to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity

76. He is the clear _____ in the election for the new CEO.

n. a person or thing that is ahead of the competition; a leading candidate in an election or race

77. The economic stimulation program would _____ a lot of new jobs.

v. to produce or create something; to make offspring by reproduction

78. They hope to _____ their business worldwide.

v. to increase or to make something greater in size, number, or importance

79. He moved his body _____ to the left.

adv. in a small degree or extent; a little

80. The worker survived the impact because they were wearing sturdy _____.

n. a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress

81. The flying car is presently in the _____ stage.

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

82. She felt _____ after finishing her book.

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

ANSWERS: 74. rotation, 75. sparked, 76. front-runner, 77. generate, 78. expand, 79. slightly, 80. helmets, 81. prototype, 82. accomplished

83. Necessity is the mother of _____.

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

84. The _____ scarcity most severely impacted the manufacturing sector

- n.* a substance that is typically burned to generate heat or energy

ANSWERS: 83. invention, 84. fuel