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Vocabulary Builder Reference from...

Marco Annunziata: Welcome to the age of the industrial internet | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

innovation

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

synonym: invention, initiation, creation

(1) **innovation** leader, (2) cutting-edge **innovation**

The vegetarian burger was an **innovation** that quickly spread to the United Kingdom.

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.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

railway

n. a transportation system consisting of tracks and trains, usually used for the transportation of goods or passengers over long distances

synonym : train line, rail line, track

(1) a private **railway**, (2) **railway** station

The **railway** system connects cities and countries, making travel more convenient.

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.

compute

v. to make a mathematical calculation

synonym : calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

unprecedented

adj. never having been seen, done, or known before

synonym : novel, outstanding, unparalleled

(1) **unprecedented** boom, (2) **unprecedented** business opportunity

Unprecedented amounts of heckling and slogan-shouting took place throughout the event.

communicate

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

synonym : convey, share, transmit

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

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

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

metamorphic

adj. (of geology) of or relating to a type of rock that has transformed by heat, pressure, or other natural processes, typically deep in the Earth's crust; undergoing a significant change in form or nature; of or pertaining to the transformation or alteration of something

synonym: transformative, changeable, alterable

(1) **metamorphic** materials, (2) **metamorphic** process
The mountain range was formed from **metamorphic** rocks that had undergone intense pressure and heat.

intelligent

adj. having the capacity for thought and reason, especially to a high degree

synonym: brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system
Intelligent robots that can cooperate with humans have limited motor output for safety.

advance

v. to go or move forward; to develop in a positive way

synonym: progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

analytics

n. the systematic computational analysis of data or statistics; information resulting from this analysis

synonym: data analysis, statistics

(1) major in **analytics**, (2) **analytics** tools

Advanced **analytics** is helping the business to make better data-driven decisions.

creative

adj. relating to or involving the use of skill and original and unusual ideas to create something

synonym: imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his

subordinates more **creative**.

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.

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.

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.

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.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

economical

adj. providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary

synonym: frugal, thrifty, parsimonious

(1) **economical** use of her time, (2) an **economical** meal

It is more **economical** to wash your plastic bottle and reuse it.

exciting

adj. causing a lot of interest or excitement

synonym: exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

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.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

electron

n. a tiny particle with the negative electrical charge

synonym: negatron

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

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

prodigious

adj. remarkable or extraordinary in size, amount, or degree; extraordinary in ability or talent

synonym: extraordinary, remarkable, exceptional

(1) a **prodigious** storm, (2) **prodigious** talent

The **prodigious** artist's work was featured in a major museum exhibition.

increasingly

adv. more and more

synonym: more and more, progressively

(1) **increasingly** become common, (2) face **increasingly** complicated challenges

Our company found it **increasingly** difficult to keep up with the competition.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym: refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

sift

v. to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles

synonym: filter, go through, sieve

(1) **sift** the candidates, (2) **sift** sand

The search engine helps **sift** information.

insight

n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

synonym: wisdom, discernment, understanding

(1) a profound **insight**, (2) share my **insights**

We gained various **insights** by analyzing the vast amount of data owned by the company.

entirely

adv. completely

synonym: completely, fully, totally

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

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

efficiently

adv. in a way that produces maximum output with minimum effort or expense

synonym: expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

individual

n. a single person or thing, as distinct from a group

synonym: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

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.

locomotive

n. a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks

synonym: train, engine, motor

(1) **locomotive** engine, (2) diesel **locomotive**

The powerful **locomotive** chugged along the tracks, hauling a long line of freight cars.

grid

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

synonym: gridiron, battery grid, power system

(1) a **grid** design, (2) a wire **grid**

Grid pattern roads often appear in urban areas.

asset

n. something or someone that is useful or valuable quality, skill, etc.; valuable property

synonym: aid, resource, equity

(1) frozen **assets**, (2) liquid **assets** of the company

A sense of humor is an invaluable **asset** in this job.

optimize

v. to make the best or most effective use of something

synonym: advance, amend, improve

(1) **optimize** a process, (2) **optimize** control for cooling

The essence of economics is to **optimize** the allocation of limited resources.

decline

v. to become gradually smaller, fewer, worse, etc.; to refuse to accept

synonym: descend, drop, deny

(1) **decline** a job offer, (2) **decline** in quality

As people age, their digestive capacity also gradually **declines**.

process

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

synonym: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

brilliant

adj. extremely clever, skilled, or impressive

synonym: luminous, intelligent, clever

(1) **brilliant** idea, (2) **brilliant** performance

The more **brilliant** you are, the more people around you look

at you with envy and jealousy.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

react

v. to take action in response to something

synonym: respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

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.

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.

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.

medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

synonym : health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

device

n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

synonym : gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

seamless

adj. without spaces or breaks between one part and the next

synonym : smooth, continuous, unseamed

(1) enable **seamless** access, (2) **seamless** device connectivity

The service was **seamless**, and the food was quite delicious.

automatically

adv. without needing a direct human control

synonym : mechanically, unconsciously, spontaneously

(1) record driving **automatically**, (2) **automatically** adjusted

Our subscription plan is **automatically** renewed.

deploy

v. to move troops or weapons into a position or military action; to bring into something in an effective way

synonym : set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures

This country **deployed** its weapons in the east region.

embedded

adj. fixed firmly into the surface of something

synonym : ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

virtual

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

synonym : practical

(1) a **virtual** image, (2) trading of **virtual** currencies

She is the **virtual** president of the company.

core

n. the most essential or fundamental part of something

synonym : center, basis, heart

(1) the **core** of an apple, (2) **core** business activity

These gas nebulas are merely newborn galactic **cores**.

cloud-computing

n. the practice of using a network of remote servers hosted on the internet to store, manage, and process data, rather than a local server or personal computer

synonym : on-demand computing, internet-based computing, remote computing

(1) **cloud-computing** infrastructure, (2) **cloud-computing** services

The adoption of **cloud-computing** has revolutionized the IT industry, making it more accessible and affordable.

software

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

synonym : program, system, operating system

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

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

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.

functional

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

synonym : applicable, practical, usable

(1) field of **functional** medicine, (2) **functional** deafness

The mobile phone was still **functional** even after being dropped.

decouple

v. to disconnect or separate something from something else that it was joined to or part of previously

synonym : disunite, disjoint, break up

(1) **decouple** a power supply, (2) **decouple** a space shuttle

We have to **decouple** our foreign policy from ideology.

hardware

n. durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

synonym : gear, apparatus, gadget

(1) the **hardware** department, (2) a vast inventory of **hardware**

The mouse and keyboard are essential **hardware** for operating a PC.

remotely

adv. at a distance; not directly or easily accessible

synonym : distantly, remotely, slightly

(1) **remotely** operate, (2) control **remotely**

The company can **remotely** access its employees' computers for troubleshooting purposes.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

upgrade

v. to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with

something newer or of a higher standard

synonym : improve, boost, enrich

(1) **upgrade** a product, (2) **upgrade** work performance

It's an excellent opportunity to **upgrade** our networking.

shift

n. a slight transition in position, direction, or trend

synonym : transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

maintenance

n. the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses

synonym : care, perpetuation, support

(1) the **maintenance** of the car, (2) **maintenance** work

We have decided to extend our **maintenance** contract until next year.

schedule

n. a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

synonym : agenda, program, itinerary

(1) a heavy **schedule**, (2) arrange my **schedule**

So far, the meeting is going according to **schedule**.

unplanned

adj. not planned or intended; not having been prearranged or organized

synonym : spontaneous, impromptu, unforeseen

(1) an **unplanned** economy, (2) **unplanned** visit

The **unplanned** power outage caused much inconvenience.

downtime

n. a period of time when a person or system is not active or operating, often due to technical issues or maintenance work

synonym : interruption, break, outage

(1) unexpected **downtime**, (2) system **downtime**

The factory had to schedule **downtime** for maintenance work, causing a temporary shutdown in production

- flee** v. to leave by running away, especially out of fear or danger
synonym: exit, escape, run away
(1) **flee** their homes, (2) **flee** abroad
It is a basic instinct to **flee** from a dangerous situation.
- delay** v. to cause something to happen at a later time than originally intended or expected
synonym: block, adjourn, detain
(1) **delay** a flight three hours, (2) **delay** the new project
We **delayed** the payment because of an incorrect invoice.
- trivial** *adj.* of little value or importance
synonym: insignificant, minor, unimportant
(1) a **trivial** man, (2) for **trivial** reasons
The problem seemed **trivial** initially, but it became a significant issue.
- profound** *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
synonym: deep, unsounded, far-reaching
(1) a **profound** book, (2) the **profound** depths of the sea
My mother's illness had a **profound** impact on us all.
- cancellation** *n.* the act of calling off or eliminating a previously arranged plan, reservation, or appointment; the process of invalidating a legal or financial agreement or contract
synonym: annulment, invalidation, revocation
(1) **cancellation** fee, (2) appointment **cancellation**
The sudden flight **cancellation** was a huge inconvenience for all the passengers.
- unexpected** *adj.* not anticipated or regarded as likely to happen
synonym: surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events
The **unexpected** rainstorm caused the collapse of the corral.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

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.

inconvenient

adj. causing trouble or difficulty; not convenient or suitable

synonym: troublesome, difficult, awkward

(1) face an **inconvenient** truth, (2) **inconvenient** for shopping

It was **inconvenient** for her to go out of her way to pick up the package.

helpless

adj. unable to take care of oneself or to do things without help

synonym: defenseless, powerless, susceptible

(1) **helpless** baby, (2) **helpless** victims

I feel so **helpless** without you.

terminal

n. a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route

synonym: endpoint, final, concluding

(1) **terminal** disease, (2) a **terminal** syllable

The **terminal** at the airport is where passengers catch their flights.

develop

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

synonym: evolve, progress, advance

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

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

install

- v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

synonym: establish, inaugurate, lodge

- (1) **install** a door, (2) **install** a chairperson

The new president was **installed** immediately after the national election.

aircraft

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

synonym: airplane, plane, airliner

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

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

technique

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

synonym: approach, procedure, strategy

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

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

destination

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

synonym: location, endpoint, target

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

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

healthcare

n. the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession

(1) **healthcare** agency, (2) rising **healthcare** cost

In an aging population, citizens must pay more to maintain quality **healthcare**.

nurse

n. a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury

synonym: healthcare worker, caregiver, medic

(1) **nurse** practitioner, (2) a volunteer **nurse**

The night shift **nurse** checked my vital signs before administering the medication.

patient

n. a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

synonym: client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss

The doctor carefully examined the **patient's** medical history.

turnaround

n. the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something

synonym: recovery, improvement, reversal

(1) miraculous **turnaround**, (2) **turnaround** strategy

The company's **turnaround** was a result of new management strategies.

surgery

n. medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical

science that treats disease or injury by operative procedures

synonym : operation, (medical) procedure

(1) cardiac **surgery**, (2) the professor of **surgery**

He had undergone heart **surgery** years before.

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym : aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

scan

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

synonym : look over, scrutinize, browse

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

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

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym : explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym : endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

severe

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

synonym :

harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

trauma

n. an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience

synonym: agony, injury, ordeal

(1) psychic **trauma**, (2) **trauma** care

Many civilians have suffered **trauma** as a result of the war.

specialize

v. to become an expert in a specific career field, study, or business

synonym: narrow down, particularize

(1) **specialize** in child care, (2) **specialize** in market research

The restaurant has chefs who **specialize** in beef.

neurology

n. the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system

synonym: brain science, nervous system, neuropathology

(1) cognitive **neurology**, (2) **neurology** department

She is studying clinical **neurology** to become a brain surgeon.

cardiologist

n. a medical doctor who specializes in the study and treatment of the heart and the circulatory system

synonym: heart doctor, heart specialist, cardiac specialist

(1) **cardiologist** appointment, (2) skilled **cardiologist**

My grandfather is seeing a **cardiologist** to monitor his heart condition.

orthopedic

adj. relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments

synonym: skeletal, musculoskeletal, bone-related

(1) **orthopedic** shoes, (2) **orthopedic** clinic

The athlete visited the **orthopedic** surgeon to have her injured knee examined and treated.

surgeon

n. a doctor who is trained to perform medical operations that involve cutting open a person's body

synonym: sawbones, doctor

(1) an excellent brain **surgeon**, (2) army **surgeon**

He is a skilled **surgeon** that has many years of training and experience.

instantaneous

adj. occurring or happening immediately or without delay; taking place in an instant or moment

synonym: immediate, prompt, rapid

(1) **instantaneous** reaction, (2) **instantaneous** message

The new software provides **instantaneous** results, making it much more efficient than the previous version.

simultaneous

adj. happening or being done at the same time

synonym: concurrent, accompanying, coexisting

(1) the **simultaneous** release of the album,

(2) **simultaneous** equations

The **simultaneous** translation made it possible for everyone to understand the speaker.

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.

outcome

n. the result or effect of an action, event, etc.

synonym: result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**

They awaited news of the **outcome** of the election.

substantial

adj. fairly large in size, value, or importance

synonym : significant, notable, actual

(1) a **substantial** amount of capital, (2) have a **substantial** meal

The pandemic was a **substantial** business opportunity for certain companies.

reduction

n. a decrease in size, amount, or degree

synonym : diminution, decrease, cutback

(1) **reduction** strategy, (2) a gradual **reduction**

The **reduction** in carbon emissions has been significant since the implementation of the new policy.

inefficiency

n. the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive

synonym : ineffectiveness, inefficacy, inadequacy

(1) **inefficiency** in the system, (2) bureaucratic **inefficiency**

The company's **inefficiency** in handling customer requests led to many complaints.

yield

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

synonym : proceeds, harvest, output

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

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

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.

sustainable

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

synonym : continuable, endurable, tolerable

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

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

basis

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym: foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

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.

diagnose

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

synonym: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

adjust

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym: adapt, alter, acclimate

(1) **adjust** a schedule, (2) **adjust** the rearview mirror

You have to **adjust** your content to the age of the audience.

pitch

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

synonym: angle, gradient, slope

(1) make a **pitch** for a new product, (2) a low- **pitched** sound

Her voice gradually increased in **pitch**.

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.

coordinated

adj. effectively arranged or organized so that all the parts work smoothly or systematically together

synonym: collective, unified, cooperative

(1) in a **coordinated** manner, (2) **coordinated** robot system

For greater efficiency, our efforts must be better **coordinated**.

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.

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.

gear

n. a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose

synonym: equipment, tools, apparatus

(1) sports **gear**, (2) a **gear** change lever

She checked her **gear** before embarking on the hike.

collaborate

v. to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

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.

reward

n. a thing given in acknowledgment of service, hard work, achievement, etc.

synonym: compensation, gratuity, bonus

(1) the **reward** for good works, (2) shopping **rewards** cards

Night fishing has a lot of **rewards**.

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.

handheld

adj. designed to be held in one hand; portable, and compact enough to be carried or used on the go

synonym: portable, mobile, compact

(1) **handheld** device, (2) **handheld** camera

The technician used a **handheld** tool to fix the machine.

spare

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

synonym: extra, excess, (verb) afford

(1) **spare** parts, (2) **spare** cost

I made plans to spend my **spare** time beneficially.

colleague

n. one of a group of a coworker, especially in a profession or a business

synonym: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

transmit

v. to send or forward an electronic signal; to pass something from one person or thing to another

synonym: convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

stream

n. a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

synonym: flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

complexity

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

synonym: intricacy, sophistication, elaboration

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

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

procedure

n. a way of doing something, especially the official or well-known way

synonym: action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

database

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

(1) **database** administrator, (2) employee **database**

Each country's officials can access the central **database**.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

unemployed

adj. not having a job, although able to work

synonym: idle, inactive, jobless

(1) assignment for the **unemployed** youth, (2) people who are **unemployed**

My father was **unemployed** for so long.

destroy

v. to ruin or damage severely or completely; to eradicate or eliminate completely

synonym: demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence

The building was **destroyed** in the fire and had to be rebuilt.

disrupt

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

synonym: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

mechanize

- v.* to equip with machinery or automatic equipment; to replace human labor with machines or automation in industry or other processes; to make a job or a procedure more systematic or efficient by the use of tools or technology

synonym : automate, motorize, robotize

- (1) **mechanize** operations, (2) **mechanize** agriculture

The factory **mechanized** its production line to increase efficiency and reduce labor costs.

agriculture

- n.* the practice or science of cultivating the land or raising stock

synonym : farming, husbandry, agribusiness

- (1) organic **agriculture**, (2) intensive **agriculture**

Agriculture is the foundation of our economy.

automatic

- adj.* able to work or operate with little or no direct human control; independent of external control

synonym : mechanical, robotic, intuitive

- (1) **automatic** operation, (2) the **automatic** shrinking of the pupils

In passenger aircraft, it is common to use an **automatic** pilot during cruising.

employ

- v.* to give somebody a job and pay them for it; to make use of

synonym : hire, engage, use

- (1) **employ** job seekers, (2) **employ** a new method

When making arrests, police officers frequently **employ** excessive force.

specialized

- adj.* possessing or relating to specific knowledge or skills that are unique to a particular field or task; designed or intended for a particular purpose or function

synonym : technical, expert, skilled

- (1) **specialized** knowledge, (2) **specialized** equipment

The hospital has many **specialized** departments, including

cardiology and oncology.

scared

adj. afraid or frightened

synonym : frightened, fearful, dreading

(1) **scared** all the time, (2) **scared** dog
I'm **scared** of insects.

intuitive

adj. obtained through feelings rather than facts or proof

synonym : involuntary, instinctive, innate

(1) **intuitive** eating, (2) **intuitive** judgment
I had an **intuitive** feeling that I might be pregnant.

modern

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

synonym : contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society
Their headquarters are in a **modern** skyscraper.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym : machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

reorganize

v. to change to a more sufficient or suitable form of organization

synonym : rearrange, reconstruct, reshuffle

(1) **reorganize** a department, (2) **reorganize** his debts
The new CEO was appointed to **reorganize** their business.

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym : benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak

points

One of the main **advantages** of the new product is its increased efficiency.

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.

nowhere

adv. not in, at, or to any place; not anywhere

(1) **nowhere** else to go, (2) come out of **nowhere**

I've been thinking all day and getting **nowhere**.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

cave

n. a large hole in the side of a hill, cliff, mountain, or under the ground

synonym: cavern, grotto, burrow

(1) domiciliary **caves**, (2) the mouth of the **cave**

Bats reside in sheltered **caves**.

grumpy

adj. easily annoyed or irritable; inclined to complain or show dissatisfaction, often in an ill-tempered way

synonym: crabby, grouchy, irritable

(1) **grumpy** cat, (2) **grumpy** mood

The **grumpy** older man snapped at the children for playing too loudly.

disapprove

v. to have or express an unfavorable opinion or judgment about something or someone

synonym: object, reject, condemn

(1) **disapprove** of the government, (2) publicly **disapprove**
I **disapprove** of my friend's decision to drop out of school and pursue a career in music instead.

roll

v. to move in a particular direction by turning over and over or from side to side

synonym: spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

toy

n. a thing, typically a small model or replica of something that is played with, especially by children

synonym: plaything, game, trinket

(1) **toy** store, (2) **toy** box

He gave his daughter a new **toy** for her birthday.

discovery

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

(1) **technological** advancement, (2) **technological** policy
Technological advances have disrupted many industries.

inspiring

adj. stimulating and motivating you to want to do something

synonym: exhilarating, encouraging, heartening

(1) **inspiring** stories, (2) awe- **inspiring** sight

An **inspiring** teacher might spark students' motivation to succeed.

propel

v. to move, drive or push something forward or in a particular direction, often with a lot of force

synonym: drive, push, move

(1) **propel** growth, (2) **propel** the ship

An increase in employment helps **propel** economic growth.

sweep

v. to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly

synonym: clean, clear, brush off

(1) **sweep** up dead leaves, (2) **sweep** a room with a glance

The politician tried to **sweep** the embarrassing incident under the rug.

boost

v. to improve, raise, or increase something

synonym: raise, advance, promote

(1) **boost** the economy, (2) **boost** flexibility

The new service helped **boost** net income by 10%.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

forego

v. to precede or go before something in time or order; to give up, relinquish or do without something, usually by choice or obligation

synonym: antecede, precede, relinquish

(1) **forego** dessert, (2) **forego** the privilege

The company decided to **forego** the expensive advertising campaign and instead rely on word of mouth.

conclude

v. to come to an end or close; to reach a judgment or opinion by reasoning

synonym: complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy
We **concluded** a cease-fire.

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

obstacle

n. a thing that blocks one's way or prevents or hinders progress

synonym: hindrance, barrier, block

(1) an **obstacle** to progress, (2) **obstacle** avoidance

The **obstacle** course was challenging but fun.

overcome

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

synonym: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

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.

adapt

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

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

robust

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

synonym : healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

cybersecurity

n. the practice of protecting computers, servers, mobile devices, electronic systems, networks, and data from unauthorized access, use, disclosure, disruption, modification, or destruction

synonym : information security, cyber protection

(1) **cybersecurity** threat, (2) **cybersecurity** measures

As the use of technology continues to increase in everyday life, **cybersecurity** awareness and education become even more important

sensitive

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

synonym : exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin

The teacher is very **sensitive** to children's feelings.

intellect

n. the ability to think logically and comprehend information, especially at an advanced level

synonym : mind, brightness, cleverness

(1) enrich my **intellect**, (2) human **intellect**

Your **intellect** is capable of distinguishing among similar objects.

property

n. a thing or things that belong to someone

synonym : belongings, possessions, equity

(1) a man of **property**, (2) chemical **property**

He stood to inherit a million-dollar **property**.

safeguard

v. to protect something or someone from harm, damage, or loss

synonym : protect, assure, conserve

(1) **safeguard** my property, (2) **safeguard** environmental quality

This measure will **safeguard** people against terrorism.

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**.

cyberattack

n. an attempt to damage, disrupt, or gain unauthorized access to a computer system or network

synonym : cyber intrusion, hack, cyberterrorism

(1) **cyberattack** prevention, (2) **cyberattack** defense system

The hackers launched a devastating **cyberattack**, stealing sensitive information from the company's servers.

evolve

v. to develop gradually, or to cause the development of something or someone gradually

synonym : develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

interconnect

v. to connect similar things

synonym : interlink, connect, annex

(1) directly **interconnect** with those systems, (2) human activities **interconnect** with the environment

Our system can now **interconnect** with other databases.

optimistic

adj. hoping or expecting that good thing will happen or something will be successful

synonym : hopeful, auspicious, cheery

(1) he is **optimistic**, (2) **optimistic** outlook

Most executives were **optimistic** about future business conditions.

enthusiastic

adj. having or showing great excitement, interest, or eagerness; energetic or passionate about something

synonym: ardent, fervent, crazy

(1) **enthusiastic** football fan, (2) **enthusiastic** audience

She was **enthusiastic** about starting her new job.

Session 2: Spelling

- | | |
|---|---|
| 1. the st___m of time | <i>n.</i> a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc. |
| 2. ind_____al alcohol | <i>adj.</i> of or relating to or resulting from industry |
| 3. co_____e the value | <i>v.</i> to make a mathematical calculation |
| 4. an excellent brain su_____n | <i>n.</i> a doctor who is trained to perform medical operations that involve cutting open a person's body |
| 5. take ad_____ge of his weak points | <i>n.</i> a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has |
| 6. com_____te his anxieties to the psychiatrist | <i>v.</i> to share or exchange information with others by speaking, writing, moving your body, or using other signals |
| 7. tr_____rm an education system | <i>v.</i> to change in outward structure or looks; |
| 8. an int_____nt person | <i>adj.</i> having the capacity for thought and reason, especially to a high degree |
| 9. hea_____re agency | <i>n.</i> the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession |
| 10. civil av_____on | <i>n.</i> the activity or process of designing, building, flying, and maintaining aircraft |

ANSWERS: 1. stream, 2. industrial, 3. compute, 4. surgeon, 5. advantage, 6. communicate, 7. transform, 8. intelligent, 9. healthcare, 10. aviation

11. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
12. ind____us worker *adj.* hardworking, diligent, and persistent in effort
13. ad____t the rearview mirror *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
14. c__e business activity *n.* the most essential or fundamental part of something
15. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
16. unp____ted business opportunity *adj.* never having been seen, done, or known before
17. the tra____ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
18. op____ze control for cooling *v.* to make the best or most effective use of something
19. chemical pr____ty *n.* a thing or things that belong to someone
20. de____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely

ANSWERS: 11. engineer, 12. industrious, 13. adjust, 14. core, 15. develop, 16. unprecedented, 17. transformation, 18. optimize, 19. property, 20. destroy

21. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
22. cyb_____ck defense system *n.* an attempt to damage, disrupt, or gain unauthorized access to a computer system or network
23. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
24. coo_____ed robot system *adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
25. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
26. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
27. psychic tr____a *n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
28. a man of pr_____ty *n.* a thing or things that belong to someone
29. record driving aut_____lly *adv.* without needing a direct human control
30. a ro____t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
31. cyb_____ity measures *n.* the practice of protecting computers, servers, mobile devices, electronic systems, networks, and data from unauthorized access, use, disclosure, disruption, modification, or destruction

ANSWERS: 21. communicate, 22. cyberattack, 23. interaction, 24. coordinated, 25. fundamental, 26. technique, 27. trauma, 28. property, 29. automatically, 30. robust, 31. cybersecurity

32. ha____ld device *adj.* designed to be held in one hand; portable, and compact enough to be carried or used on the go
33. he____ss victims *adj.* unable to take care of oneself or to do things without help
34. re____le subscriptions *adj.* capable of being renewed, extended, or replaced
35. fo____o dessert *v.* to precede or go before something in time or order; to give up, relinquish or do without something, usually by choice or obligation
36. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
37. field of fun____al medicine *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
38. re__t at a high temperature *v.* to take action in response to something
39. em____ed systems *adj.* fixed firmly into the surface of something
40. a fl__t horse *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
41. an eco____al meal *adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
42. de__y a flight three hours *v.* to cause something to happen at a later time than originally intended or expected

ANSWERS: 32. handheld, 33. helpless, 34. renewable, 35. forego, 36. adapt, 37. functional, 38. react, 39. embedded, 40. fleet, 41. economical, 42. delay

43. fo___o the privilege *v.* to precede or go before something in time or order; to give up, relinquish or do without something, usually by choice or obligation
44. he was en_____ly to blame *adv.* completely
45. sim_____ous equations *adj.* happening or being done at the same time
46. re__t against his way of thinking *v.* to take action in response to something
47. some une_____ed events *adj.* not anticipated or regarded as likely to happen
48. de_____e a job offer *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
49. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
50. pa_____t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
51. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
52. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.

ANSWERS: 43. forego, 44. entirely, 45. simultaneous, 46. react, 47. unexpected, 48. decline, 49. software, 50. patient, 51. process, 52. critic

53. the sim_____ous release of the album
adj. happening or being done at the same time
54. intensive agr_____re
n. the practice or science of cultivating the land or raising stock
55. de_____le a space shuttle
v. to disconnect or separate something from something else that it was joined to or part of previously
56. shopping re____ds cards
n. a thing given in acknowledgment of service, hard work, achievement, etc.
57. in____t capital
v. to put money, effort, time, etc. into something to make a profit or achieve a result
58. flow of el_____ons
n. a tiny particle with the negative electrical charge
59. in_____ve eating
adj. obtained through feelings rather than facts or proof
60. domiciliary c__es
n. a large hole in the side of a hill, cliff, mountain, or under the ground
61. information ba_____r
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
62. di_____se with CT scans
v. to determine or distinguish the nature of a problem or an illness through a careful analysis
63. control re_____ly
adv. at a distance; not directly or easily accessible
64. inf_____ure cost
n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

ANSWERS: 53. simultaneous, 54. agriculture, 55. decouple, 56. reward, 57. invest, 58. electron, 59. intuitive, 60. cave, 61. barrier, 62. diagnose, 63. remotely, 64. infrastructure

65. ort____ic shoes *adj.* relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments
66. sc____d dog *adj.* afraid or frightened
67. ra____y station *n.* a transportation system consisting of tracks and trains, usually used for the transportation of goods or passengers over long distances
68. a g__r change lever *n.* a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose
69. mo____n poetry *adj.* of or belonging to the present time or recent times
70. tr____te the emotion to a movement *v.* to convert or change words into another language
71. pre-mo____n agricultural society *adj.* of or belonging to the present time or recent times
72. 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
73. br____nt performance *adj.* extremely clever, skilled, or impressive
74. an____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 65. orthopedic, 66. scared, 67. railway, 68. gear, 69. modern, 70. translate, 71. modern, 72. argue, 73. brilliant, 74. analyze

75. make a pi__h for a new product *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
76. he is opt_____ic *adj.* hoping or expecting that good thing will happen or something will be successful
77. army su_____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
78. undergo a surgical pr_____re *n.* a way of doing something, especially the official or well-known way
79. un_____ed visit *adj.* not planned or intended; not having been prearranged or organized
80. te_____al disease *n.* a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route
81. a tr_____l man *adj.* of little value or importance
82. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
83. da_____se administrator *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
84. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something

ANSWERS: 75. pitch, 76. optimistic, 77. surgeon, 78. procedure, 79. unplanned, 80. terminal, 81. trivial, 82. equip, 83. database, 84. enhance

85. unp_____ted boom *adj.* never having been seen, done, or known before
86. cognitive ne_____gy *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
87. a desirable ou_____e *n.* the result or effect of an action, event, etc.
88. ent_____tic audience *adj.* having or showing great excitement, interest, or eagerness; energetic or passionate about something
89. em____y job seekers *v.* to give somebody a job and pay them for it; to make use of
90. diesel loc_____ve *n.* a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks
91. spe_____ze in child care *v.* to become an expert in a specific career field, study, or business
92. a low-pi__hed sound *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
93. reo_____ze a department *v.* to change to a more sufficient or suitable form of organization
94. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
95. di_____t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

ANSWERS: 85. unprecedented, 86. neurology, 87. outcome, 88. enthusiastic, 89. employ, 90. locomotive, 91. specialize, 92. pitch, 93. reorganize, 94. fundamental, 95. disrupt

96. miraculous tur_____nd *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
97. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
98. LED-em_____ed glass *adj.* fixed firmly into the surface of something
99. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
100. de_____yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
101. pr____l the ship *v.* to move, drive or push something forward or in a particular direction, often with a lot of force
102. in a coo_____ed manner *adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
103. appointment can_____ion *n.* the act of calling off or eliminating a previously arranged plan, reservation, or appointment; the process of invalidating a legal or financial agreement or contract
104. gr____y mood *adj.* easily annoyed or irritable; inclined to complain or show dissatisfaction, often in an ill-tempered way
105. ad_____e the technology *v.* to go or move forward; to develop in a positive way

ANSWERS: 96. turnaround, 97. colleague, 98. embedded, 99. transport, 100. destroy, 101. propel, 102. coordinated, 103. cancellation, 104. grumpy, 105. advance

106. cast a tra_____ion spell *n.* a complete change in form, nature, or appearance of someone or something
107. op_____ze a process *v.* to make the best or most effective use of something
108. de_____e in quality *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
109. a te_____al syllable *n.* a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route
110. inn_____on leader *n.* the creation of a new device or process resulting from study and experimentation
111. a profound in_____t *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
112. 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
113. ne_____gy department *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
114. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 106. transformation, 107. optimize, 108. decline, 109. terminal, 110. innovation, 111. insight, 112. economy, 113. neurology, 114. complexity

115. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
116. a pro_____us storm *adj.* remarkable or extraordinary in size, amount, or degree; extraordinary in ability or talent
117. tr_____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
118. tr_____te a document into English *v.* to convert or change words into another language
119. enrich my in_____ct *n.* the ability to think logically and comprehend information, especially at an advanced level
120. eff_____ly combined *adv.* in a way that produces maximum output with minimum effort or expense
121. cr_____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
122. reo_____ze his debts *v.* to change to a more sufficient or suitable form of organization
123. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
124. baby with se_____ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
125. co_____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
126. 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

ANSWERS: 115. trillion, 116. prodigious, 117. transmit, 118. translate, 119. intellect, 120. efficiently, 121. creative, 122. reorganize, 123. adapt, 124. sensitive, 125. conclude, 126. electrify

127. me_____ze operations *v.* to equip with machinery or automatic equipment; to replace human labor with machines or automation in industry or other processes; to make a job or a procedure more systematic or efficient by the use of tools or technology
128. ort_____ic clinic *adj.* relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments
129. me_____ze agriculture *v.* to equip with machinery or automatic equipment; to replace human labor with machines or automation in industry or other processes; to make a job or a procedure more systematic or efficient by the use of tools or technology
130. de_____le a power supply *v.* to disconnect or separate something from something else that it was joined to or part of previously
131. tec_____cal policy *adj.* based on scientific and industrial progress
132. in_____l a chairperson *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
133. human in_____ct *n.* the ability to think logically and comprehend information, especially at an advanced level
134. aff_____le housing *adj.* not expensive and able to pay

ANSWERS: 127. mechanize, 128. orthopedic, 129. mechanize, 130. decouple, 131. technological, 132. install, 133. intellect, 134. affordable

135. cutting-edge inn_____on *n.* the creation of a new device or process resulting from study and experimentation
136. beginning of the industrial rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
137. ine_____ncy in the system *n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
138. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
139. me_____n in a report *v.* to speak or write about something or someone briefly
140. spe_____ze in market research *v.* to become an expert in a specific career field, study, or business
141. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
142. sa_____rd my property *v.* to protect something or someone from harm, damage, or loss
143. 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
144. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
145. ha_____ld camera *adj.* designed to be held in one hand; portable, and compact enough to be carried or used on the go

ANSWERS: 135. innovation, 136. revolution, 137. inefficiency, 138. technique, 139. mention, 140. specialize, 141. advance, 142. safeguard, 143. electrify, 144. pilot, 145. handheld

146. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
147. IT inf_____ure *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
148. a private ra____y *n.* a transportation system consisting of tracks and trains, usually used for the transportation of goods or passengers over long distances
149. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
150. directly int_____ect with those systems *v.* to connect similar things
151. sports g__r *n.* a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose
152. the mouth of the c__e *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
153. nu__e practitioner *n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury
154. re_____on strategy *n.* a decrease in size, amount, or degree
155. 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

ANSWERS: 146. severe, 147. infrastructure, 148. railway, 149. sustainable, 150. interconnect, 151. gear, 152. cave, 153. nurse, 154. reduction, 155. efficient

156. an_____cs tools *n.* the systematic computational analysis of data or statistics; information resulting from this analysis
157. inc_____gly become common *adv.* more and more
158. clo_____ing services *n.* the practice of using a network of remote servers hosted on the internet to store, manage, and process data, rather than a local server or personal computer
159. bureaucratic ine_____ncy *n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
160. a private ind_____al *n.* a single person or thing, as distinct from a group
161. come out of no_____e *adv.* not in, at, or to any place; not anywhere
162. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
163. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
164. 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

ANSWERS: 156. analytics, 157. increasingly, 158. cloud-computing, 159. inefficiency, 160. individual, 161. nowhere, 162. transport, 163. roll, 164. economy

165. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
166. the re____d for good works *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
167. di_____t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
168. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
169. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
170. barren of cr_____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
171. met_____ic process *adj.* (of geology) of or relating to a type of rock that has transformed by heat, pressure, or other natural processes, typically deep in the Earth's crust; undergoing a significant change in form or nature; of or pertaining to the transformation or alteration of something

ANSWERS: 165. discovery, 166. reward, 167. disrupt, 168. process, 169. evolve, 170. creative, 171. metamorphic

172. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
173. f__e abroad *v.* to leave by running away, especially out of fear or danger
174. a gradual re_____on *n.* a decrease in size, amount, or degree
175. se_____ss device connectivity *adj.* without spaces or breaks between one part and the next
176. co_____e an average score *v.* to make a mathematical calculation
177. sc____d all the time *adj.* afraid or frightened
178. col_____te with the police *v.* to work with someone else to produce or achieve something
179. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
180. frozen as__ts *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
181. tu_____e aerofoil *n.* a machine that rotates to generate power from fluids such as water or gas
182. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
183. pro_____us talent *adj.* remarkable or extraordinary in size, amount, or degree; extraordinary in ability or talent

ANSWERS: 172. sophisticated, 173. flee, 174. reduction, 175. seamless, 176. compute, 177. scared, 178. collaborate, 179. enhance, 180. asset, 181. turbine, 182. discovery, 183. prodigious

184. 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
185. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
186. can_____ion fee *n.* the act of calling off or eliminating a previously arranged plan, reservation, or appointment; the process of invalidating a legal or financial agreement or contract
187. bo__t flexibility *v.* to improve, raise, or increase something
188. cyb_____ck prevention *n.* an attempt to damage, disrupt, or gain unauthorized access to a computer system or network
189. standard pr_____re *n.* a way of doing something, especially the official or well-known way
190. spe_____ed equipment *adj.* possessing or relating to specific knowledge or skills that are unique to a particular field or task; designed or intended for a particular purpose or function
191. the c__e of an apple *n.* the most essential or fundamental part of something
192. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
193. loc_____ve engine *n.* a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks

ANSWERS: 184. argue, 185. grid, 186. cancellation, 187. boost, 188. cyberattack, 189. procedure, 190. specialized, 191. core, 192. complexity, 193. locomotive

194. people who are une_____ed *adj.* not having a job, although able to work
195. organic agr_____re *n.* the practice or science of cultivating the land or raising stock
196. eco_____al use of her time *adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
197. 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
198. score an ad_____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
199. private 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
200. improved student ou_____es *n.* the result or effect of an action, event, etc.
201. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
202. system do_____me *n.* a period of time when a person or system is not active or operating, often due to technical issues or maintenance work
203. travel des_____on *n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action

ANSWERS: 194. unemployed, 195. agriculture, 196. economical, 197. engine, 198. advantage, 199. sector, 200. outcome, 201. scan, 202. downtime, 203. destination

204. 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
205. develop software more eff____ly *adv.* in a way that produces maximum output with minimum effort or expense
206. employee da____se *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
207. the pr____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
208. sw__p up dead leaves *v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly
209. col____te on a press release *v.* to work with someone else to produce or achieve something
210. awe-in____ng sight *adj.* stimulating and motivating you to want to do something
211. me____n name *v.* to speak or write about something or someone briefly
212. de____y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
213. t_y box *n.* a thing, typically a small model or replica of something that is played with, especially by children
214. the yi__d on the bond *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

ANSWERS: 204. digital, 205. efficiently, 206. database, 207. profound, 208. sweep, 209. collaborate, 210. inspiring, 211. mention, 212. deploy, 213. toy, 214. yield

215. cardiac su____y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
216. ent_____tic football fan *adj.* having or showing great excitement, interest, or eagerness; energetic or passionate about something
217. tec_____cal advancement *adj.* based on scientific and industrial progress
218. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
219. the mai_____ce of the car *n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
220. br_____nt idea *adj.* extremely clever, skilled, or impressive
221. an ob_____le to progress *n.* a thing that blocks one's way or prevents or hinders progress
222. global av_____on industry *n.* the activity or process of designing, building, flying, and maintaining aircraft
223. exp_____al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
224. a volunteer nu___e *n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury

ANSWERS: 215. surgery, 216. enthusiastic, 217. technological, 218. predict, 219. maintenance, 220. brilliant, 221. obstacle, 222. aviation, 223. exponential, 224. nurse

225. ex____ng football player *adj.* causing a lot of interest or excitement
226. sp__e cost *adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
227. s__t sand *v.* to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles
228. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
229. ins_____ous message *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
230. mai_____ce work *n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
231. 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
232. aff_____le solution *adj.* not expensive and able to pay
233. an ai_____ft landing *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
234. rising hea_____re cost *n.* the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession

ANSWERS: 225. exciting, 226. spare, 227. sift, 228. revolution, 229. instantaneous, 230. maintenance, 231. efficient, 232. affordable, 233. aircraft, 234. healthcare

235. many tr____ons of dollars *n.* the number 1,000,000,000,000; a million million
236. enable se____ss access *adj.* without spaces or breaks between one part and the next
237. re____le energy *adj.* capable of being renewed, extended, or replaced
238. in____l a door *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
239. a vi____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
240. mo____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
241. arrange my sc____le *n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
242. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
243. ex____ng news *adj.* causing a lot of interest or excitement
244. pr____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
245. for tr____l reasons *adj.* of little value or importance
246. the influence of mec____al action *adj.* operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 235. trillion, 236. seamless, 237. renewable, 238. install, 239. virtual, 240. monitor, 241. schedule, 242. roll, 243. exciting, 244. predict, 245. trivial, 246. mechanical

247. exp_____al function *adj.* becoming more and more rapid; of or involving mathematical exponents
248. pa_____t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
249. principles of sus_____le development *adj.* able to continue or be continued for a long time
250. 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
251. su___r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
252. fl__t of foot *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
253. the professor of su_____y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
254. ind_____us student *adj.* hardworking, diligent, and persistent in effort
255. s__t the candidates *v.* to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles

ANSWERS: 247. exponential, 248. patient, 249. sustainable, 250. jet, 251. suffer, 252. fleet, 253. surgery, 254. industrious, 255. sift

256. dis_____ve of the government *v.* to have or express an unfavorable opinion or judgment about something or someone
257. 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
258. tr___a care *n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
259. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
260. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
261. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
262. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
263. share my in_____ts *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
264. assignment for the une_____ed youth *adj.* not having a job, although able to work
265. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 256. disapprove, 257. jet, 258. trauma, 259. device, 260. device, 261. colleague, 262. interaction, 263. insight, 264. unemployed, 265. mechanical

266. clo_____ing infrastructure *n.* the practice of using a network of remote servers hosted on the internet to store, manage, and process data, rather than a local server or personal computer
267. a vast inventory of ha_____re *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
268. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
269. ov_____me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
270. de____y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
271. romantic des_____ons *n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
272. t_y store *n.* a thing, typically a small model or replica of something that is played with, especially by children
273. au_____ic operation *adj.* able to work or operate with little or no direct human control; independent of external control

ANSWERS: 266. cloud-computing, 267. hardware, 268. develop, 269. overcome, 270. deploy, 271. destination, 272. toy, 273. automatic

274. ad___t a schedule *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
275. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
276. publicly dis_____ve *v.* to have or express an unfavorable opinion or judgment about something or someone
277. f__e their homes *v.* to leave by running away, especially out of fear or danger
278. fun_____al deafness *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
279. met_____ic materials *adj.* (of geology) of or relating to a type of rock that has transformed by heat, pressure, or other natural processes, typically deep in the Earth's crust; undergoing a significant change in form or nature; of or pertaining to the transformation or alteration of something
280. en_____ly satisfied with the meal *adv.* completely
281. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

ANSWERS: 274. adjust, 275. basis, 276. disapprove, 277. flee, 278. functional, 279. metamorphic, 280. entirely, 281. barrier

282. mo____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
283. the bl__e of a turbine *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
284. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
285. su____r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
286. sp__e parts *adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
287. no____e else to go *adv.* not in, at, or to any place; not anywhere
288. face inc_____gly complicated challenges *adv.* more and more
289. human activities int_____ect with the environment *v.* to connect similar things
290. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
291. an une_____ed visitor *adj.* not anticipated or regarded as likely to happen
292. spe_____ed knowledge *adj.* possessing or relating to specific knowledge or skills that are unique to a particular field or task; designed or intended for a particular purpose or function

ANSWERS: 282. monitor, 283. blade, 284. intelligent, 285. suffer, 286. spare, 287. nowhere, 288. increasingly, 289. interconnect, 290. basis, 291. unexpected, 292. specialized

293. gr___y cat *adj.* easily annoyed or irritable; inclined to complain or show dissatisfaction, often in an ill-tempered way
294. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
295. pr___l growth *v.* to move, drive or push something forward or in a particular direction, often with a lot of force
296. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
297. ov_____me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
298. skilled car_____ist *n.* a medical doctor who specializes in the study and treatment of the heart and the circulatory system
299. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
300. the au_____ic shrinking of the pupils *adj.* able to work or operate with little or no direct human control; independent of external control
301. corn yi__d *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

ANSWERS: 293. grumpy, 294. equip, 295. propel, 296. grid, 297. overcome, 298. cardiologist, 299. engineer, 300. automatic, 301. yield

302. the ha____re department *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
303. se____e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
304. ins____ous reaction *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
305. ev____e *v.* to develop gradually, or to cause the development of something or someone gradually
306. tur____nd strategy *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
307. sa____rd environmental quality *v.* to protect something or someone from harm, damage, or loss
308. in____ng stories *adj.* stimulating and motivating you to want to do something
309. tr____it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
310. major in an____cs *n.* the systematic computational analysis of data or statistics; information resulting from this analysis
311. 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

ANSWERS: 302. hardware, 303. severe, 304. instantaneous, 305. evolve, 306. turnaround, 307. safeguard, 308. inspiring, 309. transmit, 310. analytics, 311. sector

312. in___t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
313. sw___p a room with a glance *v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly
314. ob_____le avoidance *n.* a thing that blocks one's way or prevents or hinders progress
315. an endless st___m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
316. have a sub_____al meal *adj.* fairly large in size, value, or importance
317. se_____ve documents *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
318. unexpected do_____me *n.* a period of time when a person or system is not active or operating, often due to technical issues or maintenance work
319. di_____se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
320. opt_____ic outlook *adj.* hoping or expecting that good thing will happen or something will be successful
321. inc_____ent for shopping *adj.* causing trouble or difficulty; not convenient or suitable
322. trading of vi_____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact

ANSWERS: 312. invest, 313. sweep, 314. obstacle, 315. stream, 316. substantial, 317. sensitive, 318. downtime, 319. diagnose, 320. optimistic, 321. inconvenient, 322. virtual

323. ai_____ft control system *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
324. a pr_____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
325. car_____ist appointment *n.* a medical doctor who specializes in the study and treatment of the heart and the circulatory system
326. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
327. aut_____lly adjusted *adv.* without needing a direct human control
328. a sub_____al amount of capital *adj.* fairly large in size, value, or importance
329. Doppler sh__t *n.* a slight transition in position, direction, or trend
330. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
331. so_____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
332. liquid as__ts of the company *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
333. cyb_____ity threat *n.* the practice of protecting computers, servers, mobile devices, electronic systems, networks, and data from unauthorized access, use, disclosure, disruption, modification, or destruction

ANSWERS: 323. aircraft, 324. profound, 325. cardiologist, 326. pilot, 327. automatically, 328. substantial, 329. shift, 330. scan, 331. software, 332. asset, 333. cybersecurity

334. de__y the new project *v.* to cause something to happen at a later time than originally intended or expected
335. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
336. tu_____e energy *n.* a machine that rotates to generate power from fluids such as water or gas
337. a heavy sc_____le *n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
338. he_____ss baby *adj.* unable to take care of oneself or to do things without help
339. beam of el_____ons *n.* a tiny particle with the negative electrical charge
340. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
341. up_____e a product *v.* to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard
342. a bl__e of grass *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
343. bo__t the economy *v.* to improve, raise, or increase something
344. an un_____ed economy *adj.* not planned or intended; not having been prearranged or organized

ANSWERS: 334. delay, 335. sophisticated, 336. turbine, 337. schedule, 338. helpless, 339. electron, 340. industrial, 341. upgrade, 342. blade, 343. boost, 344. unplanned

345. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
346. up_____e work performance *v.* to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard
347. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
348. major paradigm sh__t *n.* a slight transition in position, direction, or trend
349. severe cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
350. re_____ly operate *adv.* at a distance; not directly or easily accessible
351. ro___t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
352. face an inc_____ent truth *adj.* causing trouble or difficulty; not convenient or suitable
353. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
354. 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

ANSWERS: 345. medical, 346. upgrade, 347. conclude, 348. shift, 349. critic, 350. remotely, 351. robust, 352. inconvenient, 353. analyze, 354. digital

355. tr_____rm heat into power *v.* to change in outward structure or looks;
356. in_____ve judgment *adj.* obtained through feelings rather than facts or proof
357. ind_____al freedom *n.* a single person or thing, as distinct from a group
358. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
359. 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
360. em____y a new method *v.* to give somebody a job and pay them for it; to make use of

ANSWERS: 355. transform, 356. intuitive, 357. individual, 358. medical, 359. engine, 360. employ

Session 3: Fill in the Blanks

1. 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

2. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

3. The doctor carefully examined the _____ medical history.
n. a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

4. The technician used a _____ tool to fix the machine.
adj. designed to be held in one hand; portable, and compact enough to be carried or used on the go

5. 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

6. A _____ engineer is still in demand in many companies.
adj. operated by a machine, relating to or concerned with machinery or tools

7. This evidence will form the _____ for our discussion.
n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

ANSWERS: 1. mentioned, 2. engineer, 3. patient's, 4. handheld, 5. electrify, 6. mechanical, 7. basis

8. I advised him to _____ to his new surroundings.
v. to make fit for or change to suit a new purpose or environment
9. I'm _____ of insects.
adj. afraid or frightened
10. Advocates for legal reform hear less harsh words from their _____.
n. someone who expresses opinions about the quality of books, music, etc.
11. The company's stock gives a high _____.
n. the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
12. He tried to _____ a bad reputation and win the election.
v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
13. The powerful _____ chugged along the tracks, hauling a long line of freight cars.
n. a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks
14. The production of _____ fuels requires massive volumes of fresh water.
adj. capable of being renewed, extended, or replaced
15. The _____ expert analyzed the fluid around the aircraft.
n. the activity or process of designing, building, flying, and maintaining aircraft
16. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort

ANSWERS: 8. adapt, 9. scared, 10. critics, 11. yield, 12. overcome, 13. locomotive, 14. renewable, 15. aviation, 16. industrious

17. As people age, their digestive capacity also gradually _____.
- v. to become gradually smaller, fewer, worse, etc.; to refuse to accept
18. The essence of economics is to _____ the allocation of limited resources.
- v. to make the best or most effective use of something
19. Many civilians have suffered _____ as a result of the war.
- n. an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
20. I _____ of my friend's decision to drop out of school and pursue a career in music instead.
- v. to have or express an unfavorable opinion or judgment about something or someone
21. The _____ at the airport is where passengers catch their flights.
- n. a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route
22. As the use of technology continues to increase in everyday life, _____ awareness and education become even more important
- n. the practice of protecting computers, servers, mobile devices, electronic systems, networks, and data from unauthorized access, use, disclosure, disruption, modification, or destruction
23. I'm so sorry to _____ you when you're pretty busy.
- v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

ANSWERS: 17. declines, 18. optimize, 19. trauma, 20. disapprove, 21. terminal, 22. cybersecurity, 23. disrupt

24. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
25. 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
26. We _____ the payment because of an incorrect invoice.
v. to cause something to happen at a later time than originally intended or expected
27. 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
28. Since the 1990s, the Internet has continued to experience _____ growth.
adj. becoming more and more rapid; of or involving mathematical exponents
29. It is more _____ to wash your plastic bottle and reuse it.
adj. providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
30. The search engine helps _____ information.
v. to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles
31. The company decided to _____ the expensive advertising campaign and instead rely on word of mouth.
v. to precede or go before something in time or order; to give up, relinquish or do without something, usually by choice or obligation

ANSWERS: 24. Technological, 25. fleet, 26. delayed, 27. efficient, 28. exponential, 29. economical, 30. sift, 31. forego

32. It was _____ for her to go out of her way to pick up the package.

adj. causing trouble or difficulty; not convenient or suitable

33. The new president was _____ immediately after the national election.

v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

34. She was _____ about starting her new job.

adj. having or showing great excitement, interest, or eagerness; energetic or passionate about something

35. I made plans to spend my _____ time beneficially.

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

36. Our subscription plan is _____ renewed.

adv. without needing a direct human control

37. We have to _____ our foreign policy from ideology.

v. to disconnect or separate something from something else that it was joined to or part of previously

38. We can resolve support requests quickly and _____ by utilization of AI.

adv. in a way that produces maximum output with minimum effort or expense

39. The night shift _____ checked my vital signs before administering the medication.

n. a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury

ANSWERS: 32. inconvenient, 33. installed, 34. enthusiastic, 35. spare, 36. automatically, 37. decouple, 38. efficiently, 39. nurse

40. 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
41. Enhanced rail _____ is crucial for our business.
n. a system for moving people or products from one location to another using automobiles, roads, and so on
42. My grandfather is seeing a _____ to monitor his heart condition.
n. a medical doctor who specializes in the study and treatment of the heart and the circulatory system
43. The restaurant has chefs who _____ in beef.
v. to become an expert in a specific career field, study, or business
44. This device is used to _____ brain cancer and other tumors.
v. to determine or distinguish the nature of a problem or an illness through a careful analysis
45. 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
46. We gained various _____ by analyzing the vast amount of data owned by the company.
n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
47. The government should do more to support environmentally _____ agriculture.
adj. able to continue or be continued for a long time

ANSWERS: 40. jet, 41. transportation, 42. cardiologist, 43. specialize, 44. diagnose, 45. sector, 46. insights, 47. sustainable

48. I've been thinking all day and getting _____.

adv. not in, at, or to any place; not anywhere

49. The adoption of _____ has revolutionized the IT industry, making it more accessible and affordable.

n. the practice of using a network of remote servers hosted on the internet to store, manage, and process data, rather than a local server or personal computer

50. It's notoriously challenging to _____ birth rates.

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

51. The older man _____ from arthritis and finds it difficult to move around.

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

52. The factory had to schedule _____ for maintenance work, causing a temporary shutdown in production

n. a period of time when a person or system is not active or operating, often due to technical issues or maintenance work

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

adv. completely

54. _____ pattern roads often appear in urban areas.

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

55. It's an excellent opportunity to _____ our networking.

v. to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard

ANSWERS: 48. nowhere, 49. cloud-computing, 50. predict, 51. suffers, 52. downtime, 53. entirely, 54. Grid, 55. upgrade

56. The hackers launched a devastating _____ stealing sensitive information from the company's servers.
- n.* an attempt to damage, disrupt, or gain unauthorized access to a computer system or network
57. An increase in employment helps _____ economic growth.
- v.* to move, drive or push something forward or in a particular direction, often with a lot of force
58. 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
59. The _____ team worked quickly to save the patient's life.
- adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
60. The company's _____ was a result of new management strategies.
- n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
61. An _____ teacher might spark students' motivation to succeed.
- adj.* stimulating and motivating you to want to do something
62. The automaker has been providing _____ car financing options since last year.
- adj.* not expensive and able to pay
63. The new service helped _____ net income by 10%.
- v.* to improve, raise, or increase something

ANSWERS: 56. cyberattack, 57. propel, 58. blade, 59. medical, 60. turnaround, 61. inspiring, 62. affordable, 63. boost

64. So far, the meeting is going according to _____.
- n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
65. She stood on the podium and _____ an audience.
- v.* to examine something hastily, with the eyes or with a machine, to get information
66. They awaited news of the _____ of the election.
- n.* the result or effect of an action, event, etc.
67. The mountain range was formed from _____ rocks that had undergone intense pressure and heat.
- adj.* (of geology) of or relating to a type of rock that has transformed by heat, pressure, or other natural processes, typically deep in the Earth's crust; undergoing a significant change in form or nature; of or pertaining to the transformation or alteration of something
68. Jet _____ are the common name for air currents that form high in the atmosphere.
- n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
69. A sense of humor is an invaluable _____ in this job.
- n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
70. 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

ANSWERS: 64. schedule, 65. scanned, 66. outcome, 67. metamorphic, 68. streams, 69. asset, 70. turbines

71. The _____ of the two groups is good for brainstorming.

- n.* the act of connecting with someone, mainly when working, playing, or spending time with them

72. He was exhausted and _____ into bed as soon as he got home.

- v.* to move in a particular direction by turning over and over or from side to side

73. Her voice gradually increased in _____.

- n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

74. Parents often _____ their characteristics to their children.

- v.* to send or forward an electronic signal; to pass something from one person or thing to another

75. Our system can now _____ with other databases.

- v.* to connect similar things

76. The teacher attempted to _____ the root cause of our mistake.

- v.* to think about in-depth and evaluate to discover essential features or meaning

77. Marketing strategies are growing more _____.

- adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

78. She checked her _____ before embarking on the hike.

- n.* a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose

ANSWERS: 71. interaction, 72. rolled, 73. pitch, 74. transmit, 75. interconnect, 76. analyze, 77. sophisticated, 78. gear

79. My father's death _____ my life completely.

v. to change in outward structure or looks;

80. We _____ a cease-fire.

v. to come to an end or close; to reach a judgment or opinion by reasoning

81. In an aging population, citizens must pay more to maintain quality _____.

n. the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession

82. Eyeless fish _____ in dark caves.

v. to develop gradually, or to cause the development of something or someone gradually

83. The athlete visited the _____ surgeon to have her injured knee examined and treated.

adj. relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments

84. All the supervisor has to do is assign tasks that make his subordinates more _____.

adj. relating to or involving the use of skill and original and unusual ideas to create something

85. The mobile phone was still _____ even after being dropped.

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

86. Each country's officials can access the central _____.

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

ANSWERS: 79. transformed, 80. concluded, 81. healthcare, 82. evolved, 83. orthopedic, 84. creative, 85. functional, 86. database

87. The marine _____ manufacturer demonstrated their newest hydroplane.
n. any vehicle that can fly and carry things or passengers, such as a plane or helicopter
88. As an _____ he had the right to make his own decisions and live his life as he saw fit.
n. a single person or thing, as distinct from a group
89. She is studying clinical _____ to become a brain surgeon.
n. the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
90. The police placed a _____ across the street to halt traffic.
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
91. Our company found it _____ difficult to keep up with the competition.
adv. more and more
92. 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
93. The company can _____ access its employees' computers for troubleshooting purposes.
adv. at a distance; not directly or easily accessible
94. He gave his daughter a new ____ for her birthday.
n. a thing, typically a small model or replica of something that is played with, especially by children

ANSWERS: 87. aircraft, 88. individual, 89. neurology, 90. barrier, 91. increasingly, 92. infrastructure, 93. remotely, 94. toy

95. 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
96. The vegetarian burger was an _____ that quickly spread to the United Kingdom.
- n.* the creation of a new device or process resulting from study and experimentation
97. The company's _____ in handling customer requests led to many complaints.
- n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
98. The pilot and flight attendant ran through the check-out _____.
- n.* a way of doing something, especially the official or well-known way
99. She agreed to _____ with him in creating new artwork.
- v.* to work with someone else to produce or achieve something
100. Understanding unitary _____ of a normal matrix require considerable mathematical sophistication.
- n.* a complete change in form, nature, or appearance of someone or something
101. Night fishing has a lot of _____.
- n.* a thing given in acknowledgment of service, hard work, achievement, etc.
102. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 95. argue, 96. innovation, 97. inefficiency, 98. procedure, 99. collaborate, 100. transformations, 101. rewards, 102. develop

103. The _____ older man snapped at the children for playing too loudly.
adj. easily annoyed or irritable; inclined to complain or show dissatisfaction, often in an ill-tempered way
104. They used a special receiver to _____ police radio channels.
v. to observe, check, and track the progress or quality of something over a period of time
105. Could you help me _____ some furniture?
n. a slight transition in position, direction, or trend
106. One of the main _____ of the new product is its increased efficiency.
n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
107. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected
108. In passenger aircraft, it is common to use an _____ pilot during cruising.
adj. able to work or operate with little or no direct human control; independent of external control
109. The building was _____ in the fire and had to be rebuilt.
v. to ruin or damage severely or completely; to eradicate or eliminate completely
110. I had an _____ feeling that I might be pregnant.
adj. obtained through feelings rather than facts or proof

ANSWERS: 103. grumpy, 104. monitor, 105. shift, 106. advantages, 107. fundamental, 108. automatic, 109. destroyed, 110. intuitive

111. The senator received _____ criticism from his opponent.

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

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

adj. of or relating to or resulting from industry

113. When making arrests, police officers frequently _____ excessive force.

v. to give somebody a job and pay them for it; to make use of

114. _____ robots that can cooperate with humans have limited motor output for safety.

adj. having the capacity for thought and reason, especially to a high degree

115. The _____ artist's work was featured in a major museum exhibition.

adj. remarkable or extraordinary in size, amount, or degree; extraordinary in ability or talent

116. My mother's illness had a _____ impact on us all.

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

117. The teacher is very _____ to children's feelings.

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

118. The _____ exercised great care in landing.

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

ANSWERS: 111. severe, 112. Industrial, 113. employ, 114. Intelligent, 115. prodigious, 116. profound, 117. sensitive, 118. pilot

119. The problem seemed _____ initially, but it became a significant issue.

adj. of little value or importance

120. He had undergone heart _____ years before.

n. medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

121. The politician tried to _____ the embarrassing incident under the rug.

v. to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly

122. I decided to seek counseling on the advice of my _____.

n. one of a group of a coworker, especially in a profession or a business

123. The sudden flight _____ was a huge inconvenience for all the passengers.

n. the act of calling off or eliminating a previously arranged plan, reservation, or appointment; the process of invalidating a legal or financial agreement or contract

124. I am excited to reach my _____ and explore the new city finally.

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

125. He stood to inherit a million-dollar _____.

n. a thing or things that belong to someone

126. The _____ chip in my credit card allows me to make contactless payments.

adj. fixed firmly into the surface of something

ANSWERS: 119. trivial, 120. surgery, 121. sweep, 122. colleague, 123. cancellation, 124. destination, 125. property, 126. embedded

127. You have to _____ your content to the age of the audience.

- v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

128. The more _____ you are, the more people around you look at you with envy and jealousy.

- adj. extremely clever, skilled, or impressive

129. The _____ system connects cities and countries, making travel more convenient.

- n. a transportation system consisting of tracks and trains, usually used for the transportation of goods or passengers over long distances

130. I tried to _____ the efficiency of the investment.

- v. to make a mathematical calculation

131. We have decided to extend our _____ contract until next year.

- n. the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses

132. The experiment yielded _____ results that support his theory.

- adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

133. Scientific knowledge will _____ significantly with the power of AI.

- v. to go or move forward; to develop in a positive way

134. This measure will _____ people against terrorism.

- v. to protect something or someone from harm, damage, or loss

ANSWERS: 127. adjust, 128. brilliant, 129. railway, 130. compute, 131. maintenance, 132. robust, 133. advance, 134. safeguard

135. Her research team made an important _____.

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

136. For greater efficiency, our efforts must be better _____.

adj. effectively arranged or organized so that all the parts work smoothly or systematically together

137. The new strategy will _____ the profitability of our company.

v. to increase or improve the quality, amount, or strength of someone or something

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

n. a tiny particle with the negative electrical charge

139. The mouse and keyboard are essential _____ for operating a PC.

n. durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

140. The _____ power outage caused much inconvenience.

adj. not planned or intended; not having been prearranged or organized

141. Most executives were _____ about future business conditions.

adj. hoping or expecting that good thing will happen or something will be successful

142. The hospital has many _____ departments, including cardiology and oncology.

adj. possessing or relating to specific knowledge or skills that are unique to a particular field or task; designed or intended for a particular purpose or function

ANSWERS: 135. discovery, 136. coordinated, 137. enhance, 138. electron, 139. hardware, 140. unplanned, 141. optimistic, 142. specialized

143. I always carry a backup _____ in case my phone runs out of battery.
n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
144. The pandemic was a _____ business opportunity for certain companies.
adj. fairly large in size, value, or importance
145. The company specializes in both hardware and _____.
n. a set of computer programs and associated documentation and data for doing particular computational jobs
146. The factory _____ its production line to increase efficiency and reduce labor costs.
v. to equip with machinery or automatic equipment; to replace human labor with machines or automation in industry or other processes; to make a job or a procedure more systematic or efficient by the use of tools or technology
147. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
148. Dolphins use sound to _____ with each other.
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
149. He is a skilled _____ that has many years of training and experience.
n. a doctor who is trained to perform medical operations that involve cutting open a person's body
150. One light year is nearly 6 _____ miles.
n. the number 1,000,000,000,000; a million million

ANSWERS: 143. device, 144. substantial, 145. software, 146. mechanized, 147. exciting, 148. communicate, 149. surgeon, 150. trillion

151. The _____ rainstorm caused the collapse of the corral.

adj. not anticipated or regarded as likely to happen

152. _____ amounts of heckling and slogan-shouting took place throughout the event.

adj. never having been seen, done, or known before

153. _____ is the foundation of our economy.

n. the practice or science of cultivating the land or raising stock

154. The _____ in carbon emissions has been significant since the implementation of the new policy.

n. a decrease in size, amount, or degree

155. It is a basic instinct to _____ from a dangerous situation.

v. to leave by running away, especially out of fear or danger

156. _____ the text from Italian into English.

v. to convert or change words into another language

157. The construction company _____ the building with an earthquake-resistant device.

v. to provide a person or a place with the things that are needed for a particular purpose or activity

158. Their headquarters are in a _____ skyscraper.

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

159. These gas nebulas are merely newborn galactic _____.

n. the most essential or fundamental part of something

ANSWERS: 151. unexpected, 152. Unprecedented, 153. Agriculture, 154. reduction, 155. flee, 156. Translate, 157. equipped, 158. modern, 159. cores

160. 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

161. Your _____ is capable of distinguishing among similar objects.

- n.* the ability to think logically and comprehend information, especially at an advanced level

162. 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

163. 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

164. My father was _____ for so long.

- adj.* not having a job, although able to work

165. The _____ translation made it possible for everyone to understand the speaker.

- adj.* happening or being done at the same time

166. The project's _____ made it difficult for the team to complete it on time.

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

ANSWERS: 160. invest, 161. intellect, 162. economy, 163. engine, 164. unemployed, 165. simultaneous, 166. complexity

167. How did he _____ to your idea?

v. to take action in response to something

168. 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

169. The _____ for applying for a visa can be lengthy and complicated.

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

170. She is the _____ president of the company.

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

171. The new CEO was appointed to _____ their business.

v. to change to a more sufficient or suitable form of organization

172. The _____ by the citizen resulted in a redistribution of wealth.

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

173. This country _____ its weapons in the east region.

v. to move troops or weapons into a position or military action; to bring into something in an effective way

174. The new software provides _____ results, making it much more efficient than the previous version.

adj. occurring or happening immediately or without delay; taking place in an instant or moment

ANSWERS: 167. react, 168. digital, 169. process, 170. virtual, 171. reorganize, 172. revolution, 173. deployed, 174. instantaneous

175. Jockey's superior _____ brought him victory.

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

176. The service was _____ and the food was quite delicious.

adj. without spaces or breaks between one part and the next

177. Bats reside in sheltered _____.

n. a large hole in the side of a hill, cliff, mountain, or under the ground

178. The _____ course was challenging but fun.

n. a thing that blocks one's way or prevents or hinders progress

179. I feel so _____ without you.

adj. unable to take care of oneself or to do things without help

180. Advanced _____ is helping the business to make better data-driven decisions.

n. the systematic computational analysis of data or statistics; information resulting from this analysis

ANSWERS: 175. technique, 176. seamless, 177. caves, 178. obstacle, 179. helpless, 180. analytics