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Vocabulary Builder Reference from...

R.A. Mashelkar: Breakthrough designs for ultra-low-cost products | TED Talk https://www.ted.com/talks/r_a_mashelkar_breakthrough_designs_for_ultra_low_cost_products



All Words

IMPORTANT

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Session 1: Word List

residual

adj. relating to or constituting a remainder or leftover portion;
 remaining after other elements or factors have been
 removed or taken into account

synonym: residuary, leftover, remaining

(1) residual waste, (2) residual income

The scientist found **residual** traces of the chemical in the water sample.

generate

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

synonym: create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month The economic stimulation program would **generate** a lot of new jobs.

doll

a child's toy that typically represents a human figure,
 especially a young girl; an attractive woman; a woman who is subservient or passive

synonym: puppet, dolly, toy

(1) plastic **doll**, (2) rag **doll**

The antique doll was worth thousands of dollars.

pyramid

n. a polyhedron having a polygonal base and triangular sides with a common vertex; a massive monument with a square base and four triangular sides, begun by Cheops around 2700 BC as royal tombs in ancient Egypt

synonym: monument, edifice, tomb

(1) pyramid architecture, (2) a truncated pyramidThe Egyptian pyramids consist of a vast number of blocks.

improve

- v. to make or become bettersynonym: enhance, ameliorate, enrich
- (1) **improve** a process, (2) **improve** the test score We want to **improve** ties between our two countries.

rid

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

synonym: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products We must **rid** ourselves of pollution.

scoot

- v. to move or glide along quickly and smoothly on a surface, especially on a scooter or similar devicesynonym: glide, slide, scurry
- (1) **scoot** out of my room, (2) **scoot** over I have to **scoot** over to the next desk because there's not enough room for me to sit comfortably.

afford

- v. to have enough money or time to be able to buy or do something
- (1) **afford** to buy a new car, (2) **afford** a high travel cost He cannot **afford** a holiday.

dignity

 the quality of being worthy of esteem or respect; high office or rank or station

synonym: grace, elegance, nobility

(1) respect for human **dignity**, (2) retain everyone's **dignity**. The failure destroyed his trust and personal **dignity**.

practically

adv. almost or nearly

synonym: almost, nearly, virtually

(1) **practically** constant, (2) **practically** impossible to find a parking spot

The store is **practically** empty.

passion

intense, driving, or overpowering feeling or convictionsynonym: fervor, zeal, ardor

(1) **passion** hobby, (2) **passion** drive Her **passion** for cooking is evident in every dish she prepares.

belly

n. the front part of the body below the chest, containing the stomach and bowels; the rounded or curved part of an object, such as a ship or aircraft

synonym: stomach, abdomen, gut

(1) the **belly** of the ship, (2) with an empty **belly** She had a tattoo just above her **belly** button.

innovative

adj. introducing or using new methods, ideas, etc.synonym: creative, ingenious, inventive

(1) use of **innovative** technology, (2) stylistically **innovative** works

The Prime Minister stressed the need to create **innovative** industries.

innovate

- v. to introduce new methods, ideas, or products synonym: bring in, introduce, found
- (1) **innovate** a new method, (2) **innovate** the quality of his life

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

compassion

 a strong feeling of sympathy and sadness for another's suffering or bad luck

synonym: pity, empathy, understanding

(1) feel **compassion** for the poor, (2) have **compassion** toward the accident

His infinite love and **compassion** for everyone never weary.

absolutely

adv. without restriction or limitation; completely or utterly synonym: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

confirm

- v. to support or establish the truth or certainty of something previously believed or suspected to be the casesynonym: affirm, verify, assure
- (1) **confirm** the diagnosis, (2) **confirm** a transaction Please write to **confirm** your reservation.

barefoot

adj. without shoes or other foot coverings; wearing nothing on the feet

synonym: bare, shoeless, unshod

(1) barefoot walk, (2) barefoot fashion

The **barefoot** hiker enjoyed feeling the earth beneath their feet.

struggle

 to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

synonym: toil, strive, compete

(1) **struggle** against discrimination, (2) **struggle** to get the job

He could not **struggle** against temptation.

unclear

adj. poorly stated or described and therefore not easy to understand; not easy to perceive

synonym: ambiguous, fuzzy, obscure

(1) an unclear match, (2) in no unclear terms

It is important not to undertake tasks with unclear objectives

to improve productivity.

fin

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym: flipper, appendage, stabilizer

(1) back fin, (2) a fin of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

stud

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

synonym: beam, scantling, framing

(1) horse stud, (2) wall stud

He bought a new **stud** to attach the strap to his watch.

standing

 adj. existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation

synonym: upright, vertical, (noun) position

(1) standing water, (2) his social standing

The **standing** concert was packed with fans.

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.

combine

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

Hydrogen and oxygen **combine** to form water.

bother

- v. to disturb, annoy, or cause inconvenience or worry to someone; to take the trouble or effort to do somethingsynonym: annoy, pester, irritate
- (1) **bother** the neighbors, (2) **bother** with details Please don't **bother** me while I'm trying to concentrate.

drench

- to completely soak or saturate with liquid, typically with the intent of making something thoroughly wet
 synonym: soak, saturate, immerse
- (1) **drench** with sweat, (2) **drench** the soil with fertilizer The storm last night **drenched** everything in the yard, leaving puddles everywhere.

infant

- n. a baby or very young childsynonym: baby, newborn, tot
- infant daughter, (2) infant food
 Mozart was an infant prodigy.

probable

- adj. likely to happen or likely to be true synonym: likely, possible, potential
- (1) **probable** outcome, (2) **probable** cause of a fire It seems **probable** that he has forgotten our scheduled meeting.

cartoon

- n. a simple drawing depicting a humorous or critical situation, often accompanied by a captionsynonym: illustration, drawing, caricature
- (1) cartoon character, (2) cartoon industryHe spent his afternoon watching cartoon movies on TV.

nanoscale

- adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
- (1) **nanoscale** device, (2) things at the **nanoscale**This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

ample

adj. enough or more than enough; having plenty of something

synonym: plentiful, rich, sufficient

(1) ample opportunities, (2) ample evidence

We have **ample** time to finish the project before the deadline.

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

(1) incredible amount, (2) at incredible speed

Her response revealed **incredible** idiocy.

cynical

adj. believing that people are motivated by self-interest;distrustful of human sincerity or integrity

synonym: skeptical, mistrustful, doubtful

(1) cynical remarks, (2) cynical worldview

He was very **cynical** and didn't believe anything anyone said unless he saw evidence for himself.

segment

 a part or section of something; a distinct group within a larger whole

synonym: section, part, division

(1) segment analysis, (2) market segment

The report divided the data into **segments** based on age, gender, and income level.

manufacture

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

synonym: create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product The majority of synthetic vitamins are **manufactured** from oil.

unfold

 to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

synonym: open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

engineer

- 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.

define

 to state or explain precisely the nature, scope, or meaning of something

synonym: characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

quest

- n. a long or challenging search for somethingsynonym: exploration, inquisition, pursuit
- (1) the **quest** for truth, (2) on a **quest** for happiness That adventurer traveled in **quest** of buried treasure.

questionable

adj. doubtful or uncertain and may be open to question or criticism

synonym: dubious, suspect, uncertain

(1) **questionable** ingredients, (2) **questionable** methods
The evidence presented in the report is **questionable** and
may need further investigation before any conclusions can be
drawn.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

envelop

- ν . to surround and cover completely; to encase
- synonym: wrap, cover, surround
- (1) **envelop** the whole world, (2) **envelop** her in a bear hug The fog **enveloped** the city, making it difficult to see.

engrossed

- adj. completely absorbed or focused on something; fully occupied or immersed
- synonym: absorbed, observant, immersed
- (1) **engrossed** in a project, (2) **engrossed** in conversation She was so **engrossed** in her book that she didn't hear the phone ring.

wipe

v. to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

synonym: clean, brush, swab

- (1) **Wipe** off dirt, (2) **wipe** with water
- Please **wipe** your sweat with this towel.

participate

v. to take part in something

synonym: take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's intramural sports program.

midnight

the middle point of the night, usually defined as 12:00
 AM or the start of a new day

synonym: middle of the night, witching hour

(1) midnight snack, (2) midnight shift

I stayed up until midnight watching my favorite movie.

norm

- n. something that is regarded as usual, typical, or standardsynonym: criterion, mean, standard
- (1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry

norms.

convention

 a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example

synonym: meeting, conference, congress

(1) **convention** center, (2) political **convention** They met at biennial **conventions**.

cylinder

- a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
- (1) a six- **cylinder** engine, (2) a ventilation **cylinder** The gas was trapped inside the **cylinders** under high pressure.

engine

 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.

balance

 a condition in which everything has the same weight or force; something left after other parts have been taken away

synonym: equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

shaft

 a long, narrow part or section of an arrow, hammer, golf club, etc.; a long, narrow passage consisting of the vertical part of a column

synonym: beam, pole, gleam

(1) the **shaft** of an arrow, (2) front drive **shaft**. The rescue team rushed into the mine **shaft**.

adhesive

- n. a sticky substance used to hold things togethersynonym: sticky, clingy, gluey
- (1) adhesive ability, (2) adhesive tape

You'll need some solid **adhesive** to repair that chair.

replace

- v. to take the place of somethingsynonym: substitute, supersede, displace
- (1) **replace** one word with another, (2) **replace** a phone Eventually, the new design will **replace** all older models.

rivet

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

synonym: bolt, fastener, clinch

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

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

cocreate

- v. to create something by working with others
- (1) **cocreate** our life, (2) **cocreate** a relationship We form partnerships to **cocreate** customer value.

vendor

- n. a person or company that sells goods or servicessynonym: seller, merchant, peddler
- (1) street **vendor**, (2) food **vendor**

The **vendor** at the market sold the freshest produce I have ever tasted.

supple

- adj. flexible and easy to bend or move; gracefully agile;adaptable or responsive to change or new ideassynonym: flexible, pliable, bendable
- (1) **supple** muscles, (2) **supple** leather
 The ballerina's **supple** movements left the audience mesmerized.

co-location

 a situation in which two or more different organizations or departments share the same physical location or office space, especially for convenience or cost-saving purposes

synonym: sharing, collaboration, cooperation

(1) server co-location, (2) office co-location

The new **co-location** of the IT departments is expected to increase efficiency and collaboration.

adjacent

adj. next to, close to, or adjoining somethingsynonym: next, adjoining, neighboring

(1) adjacent to his house, (2) adjacent houses

Our country has military alliances with adjacent countries.

automobile

- n. a road vehicle that has four wheels and is powered by an engine, used for transporting people or goodssynonym: car, vehicle, motorcar
- (1) driverless **automobile**, (2) **automobile** insurance

 The **automobile** industry is a major contributor to air pollution in cities.

develop

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.

fellow

adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you

synonym: buddy, mate, affiliate

(1) junior **fellow**, (2) nice **fellow**

He is the kind of **fellow** who only works for his success.

sector

 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.

mechanism

 a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym: means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

helicopter

n. a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access

synonym: chopper, copter, whirlybird

(1) helicopter ride, (2) police helicopter

The company's CEO arrived at the meeting via **helicopter** to avoid traffic congestion

dashboard

 a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview

synonym: control panel

(1) auto dashboard, (2) business dashboard

He noticed that the oil warning light on the **dashboard** of his car had turned on.

inspire

- to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
- (1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

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synonym: boost, encourage, enlighten

The unique style of this martial arts **inspired** many action film producers.

fuel

 a substance that is typically burned to generate heat or energy

synonym: energy, power, gas

(1) biomass fuel, (2) smokeless fuel

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

crux

n. the most important or fundamental part of a matter or situation; the key point or central issue

synonym: heart, core, essence

(1) main **crux**, (2) the **crux** of the argument

The **crux** of the matter was that the company was not financially stable.

component

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

synonym: element, part, factor

key component, (2) spare components for cars
 The researchers try to discover a common component in all

types of successful organizations.

dual

adj. having two parts, aspects, or elements *synonym*: twofold, binary, double

(1) dual purpose, (2) dual nationality

This laptop has a **dual-core** processor, making it fast and efficient.

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.

mount

v. to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

synonym: climb, increase, get on

(1) **mount** a hill, (2) **mount** a counterattack

They **mounted** pictures on the paper in preparation for the birthday card.

structural

adj. associated with the way on construction or organization of anything

synonym: architectural, basic, anatomical

(1) structural analyses, (2) structural reorganization

The earthquake resulted in significant **structural** destruction.

rigidity

 the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding

synonym: stiffness, inflexibility, firmness

(1) mental **rigidity**, (2) legal **rigidity**

The **rigidity** of the school's dress code policy caused much controversy among the students and parents.

comparison

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

synonym: equivalence, analogy, contrast

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

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

typical

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

synonym: characteristic, usual, distinctive

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

This artwork is typical of her work.

launch

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

synonym: start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack The company is set to **launch** its new product line next month.

fig

- a sweet and soft edible fruit with many seeds or a tree on which these grow
- (1) fig marigold, (2) fig tree

He ate the dried **figs** he had preserved.

adjust

ford

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.
- a shallow place in a river or stream where it is possible to walk or drive across

synonym: crossing, traversing, passing

(1) ford a river, (2) across a ford

The river was too deep to cross, so we had to find a **ford** downstream where the water was shallower.

motor

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

synonym: actuator, engine, machine

(1) a motor mechanic, (2) DC motor control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

bang

v. to hit or cause to hit something in a way that makes a loud noise

synonym: crash, hit, smash

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(1) **bang** his fist on a desk, (2) **bang** a phone down My father tried to **bang** mathematics into my head since childhood.

paradigm

 a standard or typical example of something; a pattern or model

synonym: example, standard, epitome

- (1) major **paradigm** shift, (2) cultural **paradigm**He postulated a completely different **paradigm** to explain all these phenomena.
- n. a slight transition in position, direction, or trendsynonym: transition, change, modification
- (1) Doppler shift, (2) major paradigm shift Could you help me shift some furniture?

fulfill

shift

v. to meet the requirements or expectations; to achieve or realize

synonym: satisfy, complete, accomplish

(1) **fulfill** a contract, (2) **fulfill** a lifetime dream It was the first time for her, but she **fulfilled** the role of Priest.

photograph

- n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film synonym: photo, picture, snapshot
- (1) **photograph** album, (2) **photograph** memories
 I found an old **photograph** of my grandparents from their wedding day.

chauffeur

- n. a professional driver of a private or executive carsynonym: driver, private driver
- (1) a **chauffeur-driven** limousine, (2) a **chauffeur's** licence The private **chauffeur** drove the CEO to the airport in a luxurious limousine.

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.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

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

gentle

adj. having or showing a kindly or tender nature; soft and mild

synonym: mild, delicate, soft

(1) in a **gentle** voice, (2) **gentle** downward slope Her **gentle** manner relaxed everyone there.

theme

- n. a subject or topic of discourse or artistic representationsynonym: subject, topic, motif
- (1) theme park, (2) central theme

The **theme** of the novel is the corrupting influence of power.

academy

 a school for special training; a type of official organization that aims to encourage and develop standards in its particular field

synonym: school, institute, college

(1) an **academy** of music, (2) a member of the **Academy** Her new documentary earned her an **Academy** Award.

honor

 high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone

synonym: integrity, virtue, acclaim

(1) womanly **honor**, (2) **honor** our ancestors I claim on my **honor** that it is true.

fellowship

 an association of people who share common interests or goals, typically involving research, study, or a specific profession

synonym: association, society, group

(1) research **fellowship**, (2) postdoctoral **fellowship**The **fellowship** of scientists worked together to conduct research and make important discoveries.

unbelievable

- adj. beyond belief or understanding and extremely surprising synonym: unimaginable, incredible, fantastical
- (1) **unbelievable** beauty, (2) cause **unbelievable** damage He drinks an **unbelievable** amount of beer.

judgment

the ability to form valuable opinions and make reasonable decisions

synonym: conclusion, decision, determination

(1) an emotional **judgment**, (2) deliver a **judgment** Her **judgments** are consistently rational and sensible.

mobility

n. the ability to move or be moved freely or easily from one place, job, or social class to another

synonym: flexibility, maneuverability

(1) lack in mobility, (2) improve social mobilityI have limited mobility in my arms.

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.

unfortunate

adj. having bad luck or fortune; unluckysynonym: unlucky, pitiful, wretched

(1) an **unfortunate** orphan, (2) an **unfortunate** situation The **unfortunate** accident caused many injuries and some fatalities.

artificial

adj. not natural and made by human beings; not real but produced to resemble something

synonym: synthetic, man-made, manufactured

(1) artificial flowers, (2) artificial environment

The **artificial** intelligence system has revolutionized the way we live and work.

pave

 to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use

synonym: surface, coat, cover

(1) pave a new path, (2) pave a smoother road

They **paved** the courtyard with bricks, giving it a more polished appearance.

unfortunately

adv. by bad luck; unluckily

synonym: regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

awkward

adj. making you feel uncomfortable or embarrassed; causing inconvenience or difficulty

synonym: embarrassing, discomfiting, clumsy

(1) an awkward expression, (2) an awkward date

The **awkward** design of the interface made the operation difficult.

marshy

adj. characterized by the presence of low-lying, waterlogged areas of land that are often covered by tall grasses or other vegetation; of or relating to areas near wetlands, swamps, or estuaries

synonym: boggy, soggy, swampy

(1) marshy ground, (2) marshy soil

The **marshy** terrain made building a solid foundation for the house difficult.

forth

adv. forward, outward, or onward in location, direction, or progress; into view or consideration; with confidence, boldness, or in the open

synonym: forward, onwards, ahead

(1) bring **forth** a beautiful vase, (2) call **forth** demand I pushed **forth** with my new project, even though it would take much hard work.

cycle

 an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

synonym: revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

alternative

- n. one of two or more available possibilities or choicesynonym: choice, option
- (1) an **alternative** plan, (2) there is no other **alternative** Doctors are gradually coming around to the idea of using **alternative** medicines.

revolutionary

adj. relating to or characterized by a complete or dramatic change

synonym: radical, innovative, groundbreaking

(1) **revolutionary** change, (2) enforce **revolutionary** justice The **revolutionary** leader inspired others to join the fight for freedom and democracy.

prosthetic

- adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
- have prosthetic arms, (2) prosthetic limbs
 New prosthetic joints are less prone to metal poisoning.

delivery

n. the act of taking or sending something to a destination; the bringing of a baby during childbirth

synonym: sending, transporting, bringing

(1) an easy delivery, (2) special delivery

The **delivery** truck arrived with the packages.

mold

n. a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long

synonym: cavity, cast, mildew

(1) a casting **mold**, (2) **mold** allergy Mushrooms and **mold** are fungi.

modular

- adj. consisting of distinct or separable parts or units that can be joined together and form a complete wholesynonym: interchangeable, standard, transposable
- (1) build a **modular** system, (2) **modular** furniture Computers have a **modular** structure, making it easy to upgrade essential functions.

enabling

adj. providing the means, support, or resources necessary for something to happen or be achieved; allowing or encouraging a particular behavior or activity

synonym: facilitating, empowering, authorized

(1) **enabling** infrastructure, (2) **enabling** mindset **Enabling** technologies allows people with disabilities to lead more independent lives.

custom-made

 adj. made to order or custom-designed for a particular customer or client, tailored to meet individual needs or specifications

synonym: custom-built, tailor-made, bespoke

(1) **custom-made** car, (2) **custom-made** furniture

The bride wore a **custom-made** dress that was designed to fit her perfectly.

spot

a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
 synonym: dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor This remote **spot** is rarely visited.

limb

- n. an arm and leg of a person or animalsynonym: arm, appendage, branch
- (1) a prosthetic **limb**, (2) **limb** amputation You should wrap the bandage carefully and firmly around the injured **limb**.

equivalent

- n. having the same value, quality, meaning, purpose, etc.synonym: equal, counterpart, match
- (1) **equivalent** amounts, (2) **equivalent** in meaning The European Central Bank is Europe's **equivalent** of the Federal Reserve.

socket

 a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits

synonym: hollow, cavity

(1) **socket** adapter, (2) an eye **socket**

We can connect this battery charger to any socket.

density

- n. the quality of compactness of a substancesynonym: tightness, viscosity
- (1) population density,(2) higher pixel densityDo you know the density of the population in Hong Kong?

polyethylene

 a synthetic resin or plastic material with a high strength-to-weight ratio used in a variety of applications, including packaging, insulation, and construction; often abbreviated as PE

synonym: PE, plastic, polymer

(1) high-density **polyethylene**, (2) **polyethylene** terephthalate

The food packaging was made of polyethylene film.

unique

adj. being the only one of its kind; unlike anything else synonym: one-of-a-kind, unparalleled, incomparable

(1) a unique teacher, (2) unique design

The painting is **unique**, and there is no other like it.

ankle

- n. the part or joint connecting the foot to the legsynonym: mortise joint
- (1) ankle injury, (2) pair of ankle bootsHe accidentally sprained his ankle playing squash.

humanlike

adj. resembling or having characteristics of a human, such as in appearance or behavior

synonym: resembling human, humanoid, anthropomorphic

(1) humanlike robot, (2) humanlike behavior

The android's **humanlike** features made distinguishing from a real person difficult.

function

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

synonym: purpose, mapping, job

(1) function properly, (2) immune function

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

disease

 a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

synonym: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

quarter

- n. one of four equal parts; a fourth part or portionsynonym: fourth, one-fourth
- (1) a **quarter** mile, (2) end of the first **quarter**The unemployment rate in the first **quarter** was 2.3
 percentage points higher than in the previous.

moving

molecule

adj. causing strong emotions or feelings, especially sadness or sympathy

synonym: emotional, poignant, touching

- (1) **moving** experience, (2) **moving** ceremony His **moving** speech about his struggles with addiction brought tears to the audience's eyes.
- a group of two or more atoms held together by attractive forces known as chemical bonds

synonym: particle, element, atom

(1) small **molecules**, (2) **molecule** behavior The shape of the DNA **molecule** is a double helix.

marketplace

 a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers

synonym: bazaar, mart, emporium

(1) **marketplace** competition, (2) global **marketplace**The online **marketplace** offers a wide variety of products for shoppers.

psoriasis

n. a chronic skin condition characterized by patches of thick, red, and scaly skin that may be itchy or painful; an autoimmune disorder in which the immune system mistakenly speeds up the growth cycle of skin cells

synonym: skin condition, dermatitis

(1) **psoriasis** treatment, (2) plaque **psoriasis**The dermatologist prescribed a special cream to help manage his **psoriasis** symptoms.

dreadful

adj. very bad, unpleasant, or causing fear *synonym*: terrible, horrible, awful

(1) dreadful accident, (2) dreadful news

The conditions of the prison were **dreadful** and inhumane.

treatment

n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

synonym: remedy, antidote, medicine

(1) first-aid treatment, (2) treatment by diet

The primary purpose of the **treatment** is pain relief.

antibody

- *n*. a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
- (1) produce **antibody**, (2) **antibody** against bacteria This pharmaceutical company is developing **antibody** drugs with fewer side effects.

injection

n. the act of introducing a liquid, especially a drug, into the body using a needle and a syringe

synonym: shot, infusion, dose

(1) fuel injection, (2) injection needle

He received an injection of antibiotics to treat his infection.

spirit

n. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

synonym: soul, attitude, enthusiasm

(1) **spirit** and the letter of the law, (2) an indomitable **spirit** Despite their tragic loss, the family is showing great **spirit**.

audacious

 adj. showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by originality, creativity, or boldness

synonym: bold, daring, fearless

(1) audacious stunt, (2) audacious decision

The young entrepreneur had an **audacious** plan to start his own company.

ridiculous

adj. very silly or unreasonable and deserving to be laughed at

synonym: absurd, fatuous, foolish

(1) a **ridiculous** amount of money, (2) a **ridiculous** suggestion

Everyone regarded the theory he advocated as **ridiculous** but was later proven correct.

achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

synonym: accomplish, attain, reach

(1) achieve success, (2) achieve milestones

I will work hard to achieve my goals and realize my dreams.

bacon

 a type of salt-cured pork that is usually sliced and fried;
 a meat product that is derived from the back or sides of a pig

synonym: ham, pork belly, gammon

(1) bacon and eggs, (2) bacon sandwich

I love the smell of **bacon** sizzling in the morning.

unwise

adj. not sensible or prudent; likely to cause harm or negative consequences; lacking in good judgment or common sense

synonym: absurd, ill-advised, imprudent

(1) **unwise** decision, (2) **unwise** strategy

Ignoring warning signs of a potential health issue is **unwise** and can harm your health.

fancy

v. to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy

synonym: imagine, visualize, (noun) fantasy

(1) **fancy** a cup of coffee, (2) a flight of **fancy** I don't **fancy** acting in such an important role.

process

a series of actions or operations performed to achieve a n. 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.
- 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**.

tradition

vield

a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym: custom, practice, ritual

(1) a tradition of a culture, (2) against tradition It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

- adv. in a way that relates to science or is connected with science
- (1) investigate **scientifically**, (2) **scientifically** explainable The hypothesis is not yet **scientifically** proven.

adj. having a reasonable basis in logic or fact; still legally or valid officially acceptable

synonym: proper, reasonable, useful

(1) a valid contract, (2) a ticket valid for two days

scientifically

Your credit card is no longer valid.

blend

- v. to mix or combine two or more substances synonym: combine, mix, intermingle
- (1) **blend** all the elements, (2) **blend** milk and cream The toad altered its appearance to better **blend** in with its new environments.

medicinal

adj. of or relating to the treatment or cure of diseasesynonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**The **medicinal** properties of this herb have been known to help with various ailments.

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.

cancer

abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

synonym: tumor, carcinoma, malignancy

(1) cancer diagnosis, (2) cancer researchBreast cancer is the most common type of cancer in women.

breakthrough

 a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

synonym: advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough** discovery

A technique called deep learning has led to **breakthroughs** in Al.

obtain

- v. to get something, especially by making a great effort synonym: accept, acquire, receive
- (1) **obtain** a license, (2) **obtain** a bid

Where can I **obtain** the application form?

reverse

 to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

affordable

adj. not expensive and able to paysynonym: cheap, reasonable, inexpensive

(1) affordable housing, (2) affordable solution

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

satisfy

v. to make somebody pleased by giving them what they want or need

synonym: please, amuse, meet

(1) satisfy a desire, (2) satisfy a user's needs

Did this response satisfy your request?

greedy

adj. having or showing an intense or insatiable desire for wealth, status, power, or food

synonym: avaricious, covetous, grasping

(1) greedy person, (2) greedy for money

His **greedy** behavior led him to steal from the company.

generation

- all the people born and living at about the same time, regarded collectively; the production of heat or electricitysynonym: cohort, age group, era
- (1) **generation** gap, (2) the **generation** of electricity

 The younger **generation** has different values and beliefs than the older one.

invention

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

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention** Necessity is the mother of **invention**.

mere

adj. used to emphasize how insignificant or minor someone or something is

synonym: bare, minor, sheer

(1) mere acquaintance, (2) mere incident

He lost the election by **mere** votes.

extreme

adj. very great in amount or degree

synonym: farthermost, outermost, fierce

(1) extreme sports, (2) extreme weather events

Solar gravity creates **extreme** pressures and temperatures.

exclusive

adj. not divided or shared with others

synonym: sole, deluxe, limited

(1) exclusive authority, (2) exclusive clubs

The condo offers **exclusive** access to the beach.

inclusive

adj. including much or everything, and especially including stated limits; not excluding any of the people, things, ideas, etc. involved in something

synonym: cover-all, all-embracing, comprehensive

(1) a fully inclusive price, (2) inclusive education

The university has established a capacity for each nationality as part of its **inclusive** policy.

increment

 a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

synonym: increase, expansion, addendum

(1) steady **incremental** growth, (2) small **increments**

The bid **increment** for this auction is \$100.

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.

touched

adj. affected emotionally or mentally; moved; showing a slight change or alteration

synonym: affected, moved, emotional

(1) **touched-hearted** audience, (2) emotionally **touched** by the speech

He gave a **touched** smile as he read the heartfelt message in the card from his daughter.

incubator

n. an apparatus in which conditions are controlled for hatching eggs, growing cells, or keeping people or animals warm; a place, especially with support staff and equipment, offered at a low cost to new small businesses

synonym: hatchery, brooder, nursery

(1) infant **incubator**, (2) business **incubator** program
The eggs were placed in an artificial **incubator** to ensure proper hatching conditions.

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.

meltdown

 a severe overheating of the core of a nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly

or dramatically

synonym: collapse, disaster, failure

(1) meltdown disaster, (2) economic meltdown

The nuclear **meltdown** in the country was a disaster with far-reaching consequences.

climate

the weather in a particular location averaged over some long period

synonym: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change **Climate** and weather have an impact on every part of our lifestyles.

announce

v. to make something known or officially inform people about something

synonym: disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners. The third season of the anime show has been **announced**.

vision

 the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

synonym: sight, image, concept

- a prodigious vision,
 telescopic vision
 triving is difficult for me because of my poor vision.
- ram
- v. to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force

synonym: crash, collide, slam

(1) **ram** the door open, (2) **ram** into the ice

The car **rammed** into the wall, causing significant damage.

stipulate

to specify or require something as a condition of an agreement or arrangement

synonym: specify, require, demand

(1) **stipulate** conditions, (2) **stipulate** the deadline

The contract **stipulates** that the work must be completed within six months.

physics

- n. the science of matter and energy and their interactions
- (1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

focal

adj. relating to an important or central point or area; sharp or precise in focus or detail

synonym: central, main, primary

(1) **focal** neurological deficit, (2) **focal** length

The photographer adjusted the camera to focus on the image's **focal** point.

convex

adj. having a surface or outline that curves outward, like the exterior of a ball; having a shape that bulges or curves outward

synonym: curved, arched, bulging

(1) convex mirror, (2) convex surface

The magnifying glass had a **convex** shape, allowing for a better view of the specimen.

lens

n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

synonym: glass

(1) a convex **lens**, (2) a **lens** with a wide angle The photographer took this photo using a telephoto **lens**.

diffuse

adj. spread out widely; not concentrated in one placesynonym: spread, scatter

(1) diffuse bleeding, (2) diffuse cloud

Direct lighting is preferable to **diffuse** lighting when reading.

frank

adj. honest and sincere; open and candid in expression synonym: candid, direct, freehearted

(1) **frank** and open discussion, (2) make a **frank** apology Full involvement means **frank** and prompt responses.

parallel

 adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

synonym: aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing He walked a road **parallel** to the railroad.

ray

- n. a narrow line of light, heat, or another form of energysynonym: beam, light, glimmer
- (1) opaque to X- rays, (2) effect of cosmic rays Gamma rays penetrate body tissues and cause cell damage.

property

- n. a thing or things that belong to someonesynonym: belongings, possessions, equity
- (1) a man of **property**, (2) chemical **property**. He stood to inherit a million-dollar **property**.

leadership

 the ability, act, or status of leading a group of people or an organization

synonym: captaincy, direction, initiative

(1) under his **leadership**, (2) **leadership** by politicians The country's **leadership** has decided to take large-scale measures against global warming.

concave

adj. curving inward like the inside of a bowl synonym: hollow, indented, sunken

a concave lens, (2) concave surface
 The bowl was concave and held the water perfectly.

divide

v. to separate or cause to separate into parts or groups synonym: separate, disconnect, split (1) **divide** the cake into two pieces, (2) **divide** money equally

Can you divide 123321 by eleven?

nation

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

synonym: country, state, sovereign entity

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

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

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

(1) toxic chemicals, (2) a chemical compound

The firm has grown into a large **chemical** manufacturing.

laboratory

 a workplace for doing scientific research or teaching science; a lab

synonym: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**Animal protection groups call for an end to animal testing in a **laboratory**.

council

 a group of people who have been elected or appointed to make decisions or give advice on a particular subject or in a particular place

synonym: board, committee, assembly

(1) other **council** members, (2) city **council** election The city **council** voted to approve the new development project.

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.

president

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

synonym: leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance The club **president** does not have absolute power.

alliance

n. a partnership or association formed for mutual benefit, particularly between nations or organizations.

synonym: pact, accord, coalition

(1) form alliance,(2) major airline alliancesTo sell the product, the companies have formed an alliance.

county

an administrative division of a country or state, typically one of several comprising a larger division

synonym: district, region, territory

(1) **county** seat, (2) throughout the **county**

The **county's** population has been increasing rapidly in recent years.

grand

adj. important and large in size, scope, or extent

synonym: impressive, great, ambitious

(1) a grand meal, (2) grand bargain

This year's grand gathering will be held in Canada.

inspiration

 something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym: motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature He found **inspiration** in the works of his favorite authors.

Session 2: Spelling

1.	praly impossible to find a parking spot	adv.	almost or nearly
2.	lack in moty	n.	the ability to move or be moved freely or easily from one place, job, or social class to another
3.	lah a spaceship into orbit	ν.	to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
4.	plastic dl	n.	a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
5.	exve authority	adj.	not divided or shared with others
6.	mole behavior	n.	a group of two or more atoms held together by attractive forces known as chemical bonds
7.	a vad contract	adj.	having a reasonable basis in logic or fact; still legally or officially acceptable
8.	biomass fI	n.	a substance that is typically burned to generate heat or energy
9.	marce competition	n.	a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers

ANSWERS: 1. practically, 2. mobility, 3. launch, 4. doll, 5. exclusive, 6. molecule, 7. valid, 8. fuel, 9. marketplace

10.	get inson from nature	n.	something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
11.	pan drive	n.	intense, driving, or overpowering feeling or conviction
12.	enp the whole world	<i>v</i> .	to surround and cover completely; to encase
13.	defense mesm	n.	a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
14.	breugh discovery	n.	a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
15.	miht shift	n.	the middle point of the night, usually defined as 12:00 AM or the start of a new day
16.	adt 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.
17.	queble methods	adj.	doubtful or uncertain and may be open to question or criticism
18.	ame opportunities	adj.	enough or more than enough; having plenty of something
19.	small innts	n.	a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

ANSWERS: 10. inspiration, 11. passion, 12. envelop, 13. mechanism, 14. breakthrough, 15. midnight, 16. adjust, 17. questionable, 18. ample, 19. increment

20.	manre an enzyme	<i>v</i> .	to make goods in large numbers, usually in a factory using machines
21.	parte fully in conversation	<i>v</i> .	to take part in something
22.	incle amount	adj.	unbelievable; enormous
23.	We off dirt	v.	to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
24.	dit sleep	v.	to prevent or stop something, especial an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
25.	major pagm shift	n.	a standard or typical example of something; a pattern or model
26.	coe surface	adj.	curving inward like the inside of a bow
27.	mog experience	adj.	causing strong emotions or feelings, especially sadness or sympathy
28.	legal rity	n.	the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding
29.	prle cause of a fire	adj.	likely to happen or likely to be true
30.	parte in the program	<i>v</i> .	to take part in something
31.	a cold cle	n.	the weather in a particular location averaged over some long period
32.	ance the award winners	<i>v</i> .	to make something known or officially inform people about something

ANSWERS: 20. manufacture, 21. participate, 22. incredible, 23. wipe, 24. disrupt, 25. paradigm, 26. concave, 27. moving, 28. rigidity, 29. probable, 30. participate, 31. climate, 32. announce

33.	enforce revary justice	adj.	relating to or characterized by a complete or dramatic change
34.	ine a feeling of curiosity	v.	to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
35.	und the stroller	ν.	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
36.	chemical prty	n.	a thing or things that belong to someone
37.	go to the workplace by cye	n.	an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
38.	cusde car	adj.	made to order or custom-designed for a particular customer or client, tailored to meet individual needs or specifications
39.	afd a high travel cost	ν.	to have enough money or time to be able to buy or do something
40.	common inon	n.	the creation of a new device or process resulting from study and experimentation; the act of inventing
41.	may soil	adj.	characterized by the presence of low-lying, waterlogged areas of land that are often covered by tall grasses or other vegetation; of or relating to areas near wetlands, swamps, or estuaries
42.	teccal advancement	adj.	based on scientific and industrial progress

ANSWERS: 33. revolutionary, 34. inspire, 35. unfold, 36. property, 37. cycle, 38. custom-made, 39. afford, 40. invention, 41. marshy, 42. technological

ANSWERS: 43. incredible, 44. parallel, 45. unique, 46. inclusive, 47. stipulate, 48. lens, 49. launch, 50. vision

the faculty of being able to see

51.	the park	n.	a subject or topic of discourse or artistic representation
52.	DC mor control	n.	a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
53.	cultural pagm	n.	a standard or typical example of something; a pattern or model
54.	a steam ene	n.	a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
55.	a qur mile	n.	one of four equal parts; a fourth part or portion
56.	com a transaction	v.	to support or establish the truth or certainty of something previously believed or suspected to be the case
57.	the mesm for DNA replication	n.	a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
58.	stle against discrimination	<i>v</i> .	to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
59.	ened in conversation	adj.	completely absorbed or focused on something; fully occupied or immersed
60.	cultural nm	n.	something that is regarded as usual, typical, or standard
61.	effects of cle change	n.	the weather in a particular location averaged over some long period

ANSWERS: 51. theme, 52. motor, 53. paradigm, 54. engine, 55. quarter, 56. confirm, 57. mechanism, 58. struggle, 59. engrossed, 60. norm, 61. climate

62. anthropology labry	n.	a workplace for doing scientific research or teaching science; a lab
63. inte a new method	v.	to introduce new methods, ideas, or products
64. stng water	adj.	existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
65. int daughter	n.	a baby or very young child
66. ame evidence	adj.	enough or more than enough; having plenty of something
67. tod-hearted audience	adj.	affected emotionally or mentally; moved; showing a slight change or alteration
68. conon center	n.	a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example
69. autle insurance	n.	a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
70. immune fuon	n.	the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform

ANSWERS: 62. laboratory, 63. innovate, 64. standing, 65. infant, 66. ample, 67. touched, 68. convention, 69. automobile, 70. function

a particular task or purpose

71. field of funal medicine adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service 72. baot walk adj. without shoes or other foot coverings; wearing nothing on the feet 73. gry person adj. having or showing an intense or insatiable desire for wealth, status, power, or food 74. enng infrastructure adj. providing the means, support, or resources necessary for something to happen or be achieved; allowing or encouraging a particular behavior or activity 75. business dard a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview 76. call fo_h demand adv. forward, outward, or onward in location, direction, or progress; into view or consideration; with confidence, boldness, or in the open 77. a st on his honor 78. cause unbble damage adj. beyond belief or understanding and extremely surprising 79. auus decision adj. showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by originality, creativity, or boldness				
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extremely surprising 79. auus decision adj. showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by	77.	a st on his honor	n.	round or roundish area, differing in color
or to do something that is considered unconventional or daring; marked by	78.	cause unbble damage	adj.	
	79.	auus decision	adj.	or to do something that is considered unconventional or daring; marked by

ANSWERS: 71. functional, 72. barefoot, 73. greedy, 74. enabling, 75. dashboard, 76. forth, 77. spot, 78. unbelievable, 79. audacious

80.	investigate scilly	adv.	in a way that relates to science or is connected with science
81.	scilly explainable	adv.	in a way that relates to science or is connected with science
82.	die cloud	adj.	spread out widely; not concentrated in one place
83.	front drive sht	n.	a long, narrow part or section of an arrow, hammer, golf club, etc.; a long, narrow passage consisting of the vertical part of a column
84.	an unfte orphan	adj.	having bad luck or fortune; unlucky
85.	back f_n	n.	a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
86.	meal chemistry	adj.	of or relating to the treatment or cure of disease
87.	a man of prty	n.	a thing or things that belong to someone
88.	teccal policy	adj.	based on scientific and industrial progress
89.	mog ceremony	adj.	causing strong emotions or feelings, especially sadness or sympathy
90.	a civil ener	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
91.	f_g marigold	n.	a sweet and soft edible fruit with many seeds or a tree on which these grow
92.	retain everyone's diy	n.	the quality of being worthy of esteem or respect; high office or rank or station

ANSWERS: 80. scientifically, 81. scientifically, 82. diffuse, 83. shaft, 84. unfortunate, 85. fin, 86. medicinal, 87. property, 88. technological, 89. moving, 90. engineer, 91. fig, 92. dignity

ANSWERS: 93. confirm, 94. questionable, 95. combine, 96. blend, 97. alternative, 98. spirit, 99. fancy, 100. compassion, 101. unclear, 102. ankle

n.

102. pair of an e boots

perceive

the leg

the part or joint connecting the foot to

- 103. a prosthetic I__b
 104. major paradigm sh__t
 105. unf_____ely caught in a shower
 106. nice fe___w
 107. de____p a skill
- 108. a private ind____al
- 109. ri__t gun
- 110. ex____e weather events
- 111. central th__e
- 112. special de____ry
- 113. b_g his fist on a desk
- 114. an___ce candidacy

- n. an arm and leg of a person or animal
- a slight transition in position, direction, or trend
- adv. by bad luck; unluckily
- adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you
- 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
- a single person or thing, as distinct from a group
- a short metal pin or bolt with a flat head used for joining things together
- adj. very great in amount or degree
- n. a subject or topic of discourse or artistic representation
- the act of taking or sending something to a destination; the bringing of a baby during childbirth
- v. to hit or cause to hit something in a way that makes a loud noise
- v. to make something known or officially inform people about something

ANSWERS: 103. limb, 104. shift, 105. unfortunately, 106. fellow, 107. develop, 108. individual, 109. rivet, 110. extreme, 111. theme, 112. delivery, 113. bang, 114. announce

115. a truncated pyd	n.	a polyhedron having a polygonal base and triangular sides with a common vertex; a massive monument with a square base and four triangular sides, begun by Cheops around 2700 BC as royal tombs in ancient Egypt
116. make a fr_k apology	adj.	honest and sincere; open and candid in expression
117. phoph memories	n.	a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
118. smokeless fl	n.	a substance that is typically burned to generate heat or energy
119. effect of cosmic r_ys	n.	a narrow line of light, heat, or another form of energy
120. me incident	adj.	used to emphasize how insignificant or minor someone or something is
121. the qut for truth	n.	a long or challenging search for something
122. with an empty bey	n.	the front part of the body below the chest, containing the stomach and bowels; the rounded or curved part of an object, such as a ship or aircraft
123. produce andy	n.	a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
124. small moles	n.	a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 115. pyramid, 116. frank, 117. photograph, 118. fuel, 119. ray, 120. mere, 121. quest, 122. belly, 123. antibody, 124. molecule

125. di e money equally to separate or cause to separate into ν. parts or groups an administrative division of a country 126. throughout the co___y n. or state, typically one of several comprising a larger division 127. population de____y the quality of compactness of a n. substance 128. af___d to buy a new car to have enough money or time to be able to buy or do something 129. a ch ur-driven limousine a professional driver of a private or n. executive car 130. end of the first qu____r one of four equal parts; a fourth part or n. portion 131. ad nt houses adj. next to, close to, or adjoining something 132. ind____us student adj. hardworking, diligent, and persistent in effort 133. dr___h the soil with fertilizer to completely soak or saturate with ν. liquid, typically with the intent of making something thoroughly wet 134. r m into the ice to strike or push forcefully, often to ν. cause damage; to batter or break open a door or barrier using brute force 135. un d the story to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown an apparatus in which conditions are 136. infant in or controlled for hatching eggs, growing cells, or keeping people or animals warm; a place, especially with support staff and equipment, offered at a low

ANSWERS: 125. divide, 126. county, 127. density, 128. afford, 129. chauffeur, 130. quarter, 131. adjacent, 132. industrious, 133. drench, 134. ram, 135. unfold, 136. incubator

cost to new small businesses

- 137. opaque to X-r_ys
- 138. f__d a river
- 139. st____h a story
- 140. fa y a cup of coffee
- 141. a seafaring na n
- 142. ec____y of scale

143. plaque ps____is

144. ba n sandwich

- *n.* a narrow line of light, heat, or another form of energy
- a shallow place in a river or stream where it is possible to walk or drive across
- v. to make or be capable of making anything longer or broader without hurting or breaking
- v. to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
- a large organized community of people living in a particular country or region and having a particular culture
- 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
- n. a chronic skin condition characterized by patches of thick, red, and scaly skin that may be itchy or painful; an autoimmune disorder in which the immune system mistakenly speeds up the growth cycle of skin cells
- a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig

ANSWERS: 137. ray, 138. ford, 139. stretch, 140. fancy, 141. nation, 142. economy, 143. psoriasis, 144. bacon

145. mot a counterattack	ν.	to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
146. ease of comon	n.	the consideration or examination of the similarities between two or more people or things
147. a chur's licence	n.	a professional driver of a private or executive car
148. dit a well-ordered condition	<i>v</i> .	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
149. respect for human diy	n.	the quality of being worthy of esteem or respect; high office or rank or station
150. drh with sweat	ν.	to completely soak or saturate with liquid, typically with the intent of making something thoroughly wet
151. cusde furniture	adj.	made to order or custom-designed for a particular customer or client, tailored to meet individual needs or specifications
152. toxic chals	adj.	relating to or connected with chemistry;
153. global marce	n.	a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers
154. an awd expression	adj.	making you feel uncomfortable or embarrassed; causing inconvenience of difficulty

ANSWERS: 145. mount, 146. comparison, 147. chauffeur, 148. disrupt, 149. dignity, 150. drench, 151. custom-made, 152. chemical, 153. marketplace, 154. awkward

adj.	introducing or using new methods, ideas, etc.
n.	a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
n.	intense, driving, or overpowering feeling or conviction
n.	a long or challenging search for something
adj.	poorly stated or described and therefore not easy to understand; not easy to perceive
adj.	affected emotionally or mentally; moved; showing a slight change or alteration
n.	a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
n.	the ability to move or be moved freely o easily from one place, job, or social class to another
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
	n. n. adj. n.

ANSWERS: 155. innovative, 156. lens, 157. passion, 158. quest, 159. unclear, 160. touched, 161. automobile, 162. mobility, 163. process

164. dr	_ul news	adj.	very bad, unpleasant, or causing fear
165. pr	_le outcome	adj.	likely to happen or likely to be true
166. an eye	e sot	n.	a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits
167. fuel in	on	n.	the act of introducing a liquid, especially a drug, into the body using a needle and a syringe
168. feel co	omon for the poor	n.	a strong feeling of sympathy and sadness for another's suffering or bad luck
169. un	e decision	adj.	not sensible or prudent; likely to cause harm or negative consequences; lacking in good judgment or common sense
170. ba	_ot fashion	adj.	without shoes or other foot coverings; wearing nothing on the feet
171. a pa	el case	adj.	being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
172. womar	nly hor	n.	high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
173. postdo	octoral felip	n.	an association of people who share common interests or goals, typically involving research, study, or a specific profession

ANSWERS: 164. dreadful, 165. probable, 166. socket, 167. injection, 168. compassion, 169. unwise, 170. barefoot, 171. parallel, 172. honor, 173. fellowship

174. affle solution	adj.	not expensive and able to pay
175. an unfte situation	adj.	having bad luck or fortune; unlucky
176. a prodigious vin	n.	the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
177. mon poetry	adj.	of or belonging to the present time or recent times
178. higher pixel dey	n.	the quality of compactness of a substance
179. mot a hill	ν.	to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
180. polene terephthalate	n.	a synthetic resin or plastic material with a high strength-to-weight ratio used in a variety of applications, including packaging, insulation, and construction; often abbreviated as PE
181. beauty st	n.	a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
182. even more unfely	adv.	by bad luck; unluckily
183. an easy dery	n.	the act of taking or sending something to a destination; the bringing of a baby during childbirth
184. fuon properly	n.	the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 174. affordable, 175. unfortunate, 176. vision, 177. modern, 178. density,

179. mount, 180. polyethylene, 181. spot, 182. unfortunately, 183. delivery, 184. function

185. foI length	adj.	or area; sharp or precise in focus or detail
186. exe sports	adj.	very great in amount or degree
187. pe a smoother road	v.	to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use
188. coe augmented reality	<i>v</i> .	to join or merge to form a single thing or group
189. ace success	v.	to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
190. dl nationality	adj.	having two parts, aspects, or elements
191. steady inntal growth	n.	a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
192. city coI election	n.	a group of people who have been elected or appointed to make decisions or give advice on a particular subject or in a particular place
193. market set	n.	a part or section of something; a distinct group within a larger whole
194. fuI a lifetime dream	<i>v</i> .	to meet the requirements or expectations; to achieve or realize
195. absly against	adv.	without restriction or limitation; completely or utterly

ANSWERS: 185. focal, 186. extreme, 187. pave, 188. combine, 189. achieve, 190. dual, 191. increment, 192. council, 193. segment, 194. fulfill, 195. absolutely

196. a ridus amount of money	adj.	very silly or unreasonable and deserving to be laughed at
197. a grd meal	adj.	important and large in size, scope, or extent
198. a ticket vad for two days	adj.	having a reasonable basis in logic or fact; still legally or officially acceptable
199. a ridus suggestion	adj.	very silly or unreasonable and deserving to be laughed at
200. dep a strategy	ν.	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
201. bor with details	ν.	to disturb, annoy, or cause inconvenience or worry to someone; to take the trouble or effort to do something
202. die bleeding	adj.	spread out widely; not concentrated in one place
203. prnt emeritus	n.	the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
204. pyd architecture	n.	a polyhedron having a polygonal base and triangular sides with a common vertex; a massive monument with a

ANSWERS: 196. ridiculous, 197. grand, 198. valid, 199. ridiculous, 200. develop, 201. bother, 202. diffuse, 203. president, 204. pyramid

square base and four triangular sides, begun by Cheops around 2700 BC as

royal tombs in ancient Egypt

205. industrial ser	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
206. obn a license	<i>v</i> .	to get something, especially by making a great effort
207. inte the quality of his life	<i>v</i> .	to introduce new methods, ideas, or products
208. Ib amputation	n.	an arm and leg of a person or animal
209. ener shortage	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
210. the yid 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
211. ree one word with another	<i>v</i> .	to take the place of something
212. dee a word	<i>v</i> .	to state or explain precisely the nature, scope, or meaning of something
213. asset on the company's bae sheet	n.	a condition in which everything has the same weight or force; something left after other parts have been taken away
214. the genon of electricity	n.	all the people born and living at about the same time, regarded collectively; the production of heat or electricity
215. equnt in meaning	n.	having the same value, quality, meaning, purpose, etc.
216. enng mindset	adj.	providing the means, support, or resources necessary for something to happen or be achieved; allowing or encouraging a particular behavior or activity

ANSWERS: 205. sector, 206. obtain, 207. innovate, 208. limb, 209. engineer, 210. yield, 211. replace, 212. define, 213. balance, 214. generation, 215. equivalent, 216. enabling

n.	a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
adj.	very bad, unpleasant, or causing fear
n.	a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
<i>v</i> .	to create something by working with others
n.	a situation in which two or more different organizations or departments share the same physical location or office space, especially for convenience or cost-saving purposes
adj.	not sensible or prudent; likely to cause harm or negative consequences; lacking in good judgment or common sense
adj.	on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
adj.	relating to or characterized by a complete or dramatic change
n.	an administrative division of a country or state, typically one of several comprising a larger division
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
	adj. n. adj. adj. adj.

ANSWERS: 217. doll, 218. dreadful, 219. tradition, 220. cocreate, 221. co-location, 222. unwise, 223. nanoscale, 224. revolutionary, 225. county, 226. yield

- 227. r_d the body of waste products
- 228. fr k and open discussion
- 229. pr___s improvement

- 230. re___al waste
- 231. an air-cooled en___e
- 232. ob___n a bid
- 233. gr y for money
- 234. ps____is treatment

- v. to make someone or something free of unwanted or unpleasant tasks, objects, or person
- adj. honest and sincere; open and candid in expression
- 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
- adj. relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
- n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
- to get something, especially by making a great effort
- adj. having or showing an intense or insatiable desire for wealth, status, power, or food
- n. a chronic skin condition characterized by patches of thick, red, and scaly skin that may be itchy or painful; an autoimmune disorder in which the immune system mistakenly speeds up the growth cycle of skin cells

ANSWERS: 227. rid, 228. frank, 229. process, 230. residual, 231. engine, 232. obtain, 233. greedy, 234. psoriasis

235. me____wn disaster a severe overheating of the core of a n. nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly or dramatically 236. nuclear ph___s the science of matter and energy and n. their interactions 237. mi___ht snack the middle point of the night, usually defined as 12:00 AM or the start of a new day 238. key co____nt one of several parts that combines with n. others to form something bigger 239. co___te a relationship to create something by working with ν. others 240. in on needle the act of introducing a liquid, especially n. a drug, into the body using a needle and a syringe to mix or combine two or more 241. bl d milk and cream ν. substances 242. a six-cy___er engine a solid or hollow geometric figure with n. two round ends and long straight sides, or an object shaped like this to clean or dry something by rubbing 243. w e with water with a piece of cloth or paper or one's hand and removing dirt, food, or liquid 244. di e the cake into two pieces to separate or cause to separate into parts or groups 245. in t food a baby or very young child n.

ANSWERS: 235. meltdown, 236. physics, 237. midnight, 238. component, 239. cocreate, 240. injection, 241. blend, 242. cylinder, 243. wipe, 244. divide, 245. infant

a slight transition in position, direction, 246. Doppler sh t n. or trend a partnership or association formed for 247. major airline al ces n. mutual benefit, particularly between nations or organizations. 248. ad___t the rearview mirror to make a minor modification to ν. something to make it more suited for a new set of conditions or to make it function better. 249. research fel____ip an association of people who share common interests or goals, typically involving research, study, or a specific profession 250. an dy against bacteria a substance produced in the blood that n. attacks and kills harmful bacteria, viruses, etc., to fight disease to change something's direction, order, 251. re___e the trend ν. position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear 252. food ve r a person or company that sells goods or n. services 253. de___e my position to state or explain precisely the nature, scope, or meaning of something 254. an aw____d date adj. making you feel uncomfortable or embarrassed; causing inconvenience or difficulty adj. used to emphasize how insignificant or 255. m e acquaintance minor someone or something is

ANSWERS: 246. shift, 247. alliance, 248. adjust, 249. fellowship, 250. antibody, 251. reverse, 252. vendor, 253. define, 254. awkward, 255. mere

256. sct out of my room	ν.	to move or glide along quickly and smoothly on a surface, especially on a scooter or similar device
257. cox mirror	adj.	having a surface or outline that curves outward, like the exterior of a ball; having a shape that bulges or curves outward
258. other coI members	n.	a group of people who have been elected or appointed to make decisions or give advice on a particular subject or in a particular place
259. hor our ancestors	n.	high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
260. inve education	adj.	including much or everything, and especially including stated limits; not excluding any of the people, things, ideas, etc. involved in something
261. button-head rit	n.	a short metal pin or bolt with a flat head used for joining things together
262. source of inson	n.	something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
263. under his leaip	n.	the ability, act, or status of leading a group of people or an organization
264. a coe lens	adj.	curving inward like the inside of a bowl

ANSWERS: 256. scoot, 257. convex, 258. council, 259. honor, 260. inclusive, 261. rivet, 262. inspiration, 263. leadership, 264. concave

265. md allergy	n.	a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long
266. traditional meal	adj.	of or relating to the treatment or cure of disease
267. breugh in the negotiations	n.	a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
268. mental rity	n.	the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding
269. the sht of an arrow	n.	a long, narrow part or section of an arrow, hammer, golf club, etc.; a long, narrow passage consisting of the vertical part of a column
270. pre-mon agricultural society	adj.	of or belonging to the present time or recent times
271. sth along the coast	<i>v</i> .	to make or be capable of making anything longer or broader without hurting or breaking
272. artal environment	adj.	not natural and made by human beings not real but produced to resemble something
273. indus worker	adj.	hardworking, diligent, and persistent in effort

ANSWERS: 265. mold, 266. medicinal, 267. breakthrough, 268. rigidity, 269. shaft, 270. modern, 271. stretch, 272. artificial, 273. industrious

274. r ₋	_m	the	door	open
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275. sa____y a desire

276. d__l purpose

277. b_g a phone down

278. the cy e of the seasons

279. st____le to get the job

280. ca___n character

281. an ac___y of music

282. equ____nt amounts

283. a ch___al compound

284. wall s__d

- v. to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force
- v. to make somebody pleased by giving them what they want or need
- adj. having two parts, aspects, or elements
- v. to hit or cause to hit something in a way that makes a loud noise
- an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
- v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
- a simple drawing depicting a humorous or critical situation, often accompanied by a caption
- a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
- n. having the same value, quality, meaning, purpose, etc.
- adj. relating to or connected with chemistry;
- n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

ANSWERS: 274. ram, 275. satisfy, 276. dual, 277. bang, 278. cycle, 279. struggle, 280. cartoon, 281. academy, 282. equivalent, 283. chemical, 284. stud

285. fo I neurological deficit adj. relating to an important or central point or area; sharp or precise in focus or detail 286. an indomitable sp t the part of a person which is the seat of n. their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people 287. hu____ke robot adj. resembling or having characteristics of a human, such as in appearance or behavior adj. having a surface or outline that curves 288. co x surface outward, like the exterior of a ball; having a shape that bulges or curves outward 289. an emotional ju nt the ability to form valuable opinions and make reasonable decisions 290. ad nt to his house adj. next to, close to, or adjoining something 291. business in_____or program an apparatus in which conditions are n. controlled for hatching eggs, growing cells, or keeping people or animals warm; a place, especially with support staff and equipment, offered at a low cost to new small businesses

292. di____e prevention

ANSWERS: 285. focal, 286. spirit, 287. humanlike, 288. convex, 289. judgment, 290. adjacent, 291. incubator, 292. disease

a disorder or illness that affects the body or mind, often characterized by

specific symptoms or abnormal functioning of organs or systems

293. re____e a phone294. an__e injury295. the c__x of the argument

296. cy____I worldview

297. there is no other alt____ve

- 298. su___e leather
- 299. re____e the order
- 300. sa y a user's needs
- 301. across a f__d
- 302. in a ge___e voice
- 303. ba__n and eggs

- v. to take the place of something
- n. the part or joint connecting the foot to the leg
- n. the most important or fundamental part of a matter or situation; the key point or central issue
- adj. believing that people are motivated by self-interest; distrustful of human sincerity or integrity
- n. one of two or more available possibilities or choice
- adj. flexible and easy to bend or move;gracefully agile; adaptable orresponsive to change or new ideas
- v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
- v. to make somebody pleased by giving them what they want or need
- a shallow place in a river or stream where it is possible to walk or drive across
- adj. having or showing a kindly or tender nature; soft and mild
- a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig

ANSWERS: 293. replace, 294. ankle, 295. crux, 296. cynical, 297. alternative, 298. supple, 299. reverse, 300. satisfy, 301. ford, 302. gentle, 303. bacon

adj. someone who has the same job or 304. junior fe w interests as you, or is in the same class, profession, or situation as you to cover something with a hard, flat 305. p e a new path ν. material such as stones, bricks, or concrete, to make it suitable for travel or use something that is regarded as usual, 306. n m of action typical, or standard 307. man____re a product to make goods in large numbers, usually in a factory using machines 308. fu____I a contract to meet the requirements or ν. expectations; to achieve or realize 309. sc__t over to move or glide along quickly and ν. smoothly on a surface, especially on a scooter or similar device 310. mo r furniture adj. consisting of distinct or separable parts or units that can be joined together and form a complete whole adj. important and large in size, scope, or 311. gr d bargain extent adj. not expensive and able to pay 312. aff____le housing 313. ge___e downward slope adj. having or showing a kindly or tender nature; soft and mild the most important or fundamental part 314. main c x of a matter or situation; the key point or central issue 315. in e him to write a novel to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

ANSWERS: 304. fellow, 305. pave, 306. norm, 307. manufacture, 308. fulfill, 309. scoot, 310. modular, 311. grand, 312. affordable, 313. gentle, 314. crux, 315. inspire

316. ime a process
317. deliver a junt
318. enp her in a bear hug
319. stte the deadline
320. may ground
321. trrm an education system
322. the bae of power
323. exve clubs
324. cyl remarks
325. spare conts for cars
326. nan-state
327. a casting md

- v. to make or become better
- the ability to form valuable opinions and make reasonable decisions
- v. to surround and cover completely; to encase
- v. to specify or require something as a condition of an agreement or arrangement
- adj. characterized by the presence of low-lying, waterlogged areas of land that are often covered by tall grasses or other vegetation; of or relating to areas near wetlands, swamps, or estuaries
- v. to change in outward structure or looks;
- a condition in which everything has the same weight or force; something left after other parts have been taken away
- adj. not divided or shared with others
- adj. believing that people are motivated by self-interest; distrustful of human sincerity or integrity
- n. one of several parts that combines with others to form something bigger
- a large organized community of people living in a particular country or region and having a particular culture
- n. a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long

ANSWERS: 316. improve, 317. judgment, 318. envelop, 319. stipulate, 320. marshy, 321. transform, 322. balance, 323. exclusive, 324. cynical, 325. component, 326.

Vocab-Builder Ref from	"R.A. Mashelkar: Breakthrough designs for ultra-low-cost products	TED Talk" (198 words)
nation, 327. mold		
11ation, 327. 11ioid		

328. car diagnosis	n.	abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
329. a une teacher	adj.	being the only one of its kind; unlike anything else
330. stral reorganization	adj.	associated with the way on construction or organization of anything
331. f_g tree	n.	a sweet and soft edible fruit with many seeds or a tree on which these grow
332. the inon of new techniques	n.	the creation of a new device or process resulting from study and experimentation; the act of inventing
333. tyI leader	adj.	having the usual characteristics or traits of a specific group of things
334. indal freedom	n.	a single person or thing, as distinct from a group
335. stral analyses	adj.	associated with the way on construction or organization of anything
336. trrm heat into power	<i>v</i> .	to change in outward structure or looks;
337. a mor mechanic	n.	a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
338. have proic arms	adj.	of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
339. unbble beauty	adj.	beyond belief or understanding and extremely surprising

ANSWERS: 328. cancer, 329. unique, 330. structural, 331. fig, 332. invention, 333. typical, 334. individual, 335. structural, 336. transform, 337. motor, 338. prosthetic, 339. unbelievable

ANSWERS: 340. absolutely, 341. cancer, 342. laboratory, 343. co-location, 344. economy, 345. treatment, 346. audacious, 347. bother

inconvenience or worry to someone; to

take the trouble or effort to do

something

348. r	real income	adj.	relating to or constituting a remainder of leftover portion; remaining after other elements or factors have been removed or taken into account
349. f	fairly tyI symptoms	adj.	having the usual characteristics or traits of a specific group of things
350. p	political conon	n.	a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example
351. f	form alce	n.	a partnership or association formed for mutual benefit, particularly between nations or organizations.
352. ł	nuke behavior	adj.	resembling or having characteristics of a human, such as in appearance or behavior
	comon of foods on a caloric pasis	n.	the consideration or examination of the similarities between two or more people or things
354. s	set analysis	n.	a part or section of something; a distinction group within a larger whole
355. 6	economic mewn	n.	a severe overheating of the core of a nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly or dramatically
356. ł	neler ride	n.	a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access

ANSWERS: 348. residual, 349. typical, 350. convention, 351. alliance, 352. humanlike, 353. comparison, 354. segment, 355. meltdown, 356. helicopter

357.	funal deafness
358.	die control
359.	innon leader
360.	ened in a project
361.	private ser
362.	against tron
363.	adve tape
364.	a ventilation cyer
	ime the test score horse sd

- adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
- a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
- the creation of a new device or process resulting from study and experimentation
- adj. completely absorbed or focused on something; fully occupied or immersed
- 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
- a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
- a sticky substance used to hold things together
- a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
- v. to make or become better
- n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

ANSWERS: 357. functional, 358. disease, 359. innovation, 360. engrossed, 361. sector, 362. tradition, 363. adhesive, 364. cylinder, 365. improve, 366. stud

367. the bey of the ship	n.	the front part of the body below the chest, containing the stomach and bowels; the rounded or curved part of an object, such as a ship or aircraft
368. his social stng	adj.	existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
369. leaip by politicians	<i>n</i> .	the ability, act, or status of leading a group of people or an organization
370. proic limbs	adj.	of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
371. street ver	n.	a person or company that sells goods or services
372. auto dard	n.	a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview
373. a f_n of a plane	n.	a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
374. bring foh a beautiful vase	adv.	forward, outward, or onward in location, direction, or progress; into view or consideration; with confidence, boldness, or in the open
375. things at the nale	adj.	on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

ANSWERS: 367. belly, 368. standing, 369. leadership, 370. prosthetic, 371. vendor, 372. dashboard, 373. fin, 374. forth, 375. nanoscale

376. high-density polene	n.	a synthetic resin or plastic material with a high strength-to-weight ratio used in a variety of applications, including packaging, insulation, and construction; often abbreviated as PE
377. praly constant	adv.	almost or nearly
378. gete \$100 a month	<i>v</i> .	to produce or create something; to make offspring by reproduction
379. genon gap	n.	all the people born and living at about the same time, regarded collectively; the production of heat or electricity
380. adve ability	n.	a sticky substance used to hold things together
381. first-aid trnt	n.	the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
382. get r_d of the rats	v.	to make someone or something free of unwanted or unpleasant tasks, objects, or person
383. sot adapter	n.	a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits
384. build a mor system	adj.	consisting of distinct or separable parts or units that can be joined together and form a complete whole
385. laws of phs	n.	the science of matter and energy and their interactions

ANSWERS: 376. polyethylene, 377. practically, 378. generate, 379. generation, 380. adhesive, 381. treatment, 382. rid, 383. socket, 384. modular, 385. physics

386. cutting-edge innon	n.	the creation of a new device or process resulting from study and experimentation
387. ace milestones	v.	to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
388. vice-prnt for finance	n.	the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
389. police heler	n.	a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access
390. sue muscles	adj.	flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas
391. can industry	n.	a simple drawing depicting a humorous or critical situation, often accompanied by a caption
392. use of innve technology	adj.	introducing or using new methods, ideas, etc.
393. a member of the Acy	n.	a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
394. phoph album	n.	a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

ANSWERS: 386. innovation, 387. achieve, 388. president, 389. helicopter, 390. supple, 391. cartoon, 392. innovative, 393. academy, 394. photograph

- 395. ge____te more electricity
- 396. art____al flowers

- v. to produce or create something; to make offspring by reproduction
- adj. not natural and made by human beings;not real but produced to resemblesomething

ANSWERS: 395. generate, 396. artificial

Session 3: Fill in the Blanks

1. The terrain made building a solid foundation for the house difficult.	
adj. characterized by the presence of low-lying, waterlogged areas of land that are often covered by tall grasses or other vegetation; of or relating to areas near wetlands, swamps, or estuaries	€
Computers have a structure, making it easy to upgrade essential functions.	
adj. consisting of distinct or separable parts or units that can be joined together are form a complete whole	nd
3. The technology is constantly evolving and innovating.	
 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 	
4. He was known to be very and would often work late into the nigh	ıt.
adj. hardworking, diligent, and persistent in effort	
5. The eggs were placed in an artificial to ensure proper hatching conditions.	
an apparatus in which conditions are controlled for hatching eggs, growing cells, or keeping people or animals warm; a place, especially with support sta and equipment, offered at a low cost to new small businesses	ff
6. He ate the dried he had preserved.	
n. a sweet and soft edible fruit with many seeds or a tree on which these grow	
7. This laptop has a processor, making it fast and efficient.	
adj. having two parts, aspects, or elements	
ANSWERS: 1. marshy, 2. modular, 3. sector, 4. industrious, 5. incubator, 6. figs, 7. dual-core	

ANSWERS: 8. diffuse, 9. stretch, 10. manufactured, 11. compassion, 12. engineer, 13. revolutionary, 14. judgments, 15. function

particular task or purpose

ANSWERS: 16. enveloped, 17. comparison, 18. spirit, 19. obtain, 20. define, 21. unclear, 22. audacious, 23. pyramids

ANSWERS: 47. satisfy, 48. barefoot, 49. spot, 50. parallel, 51. absolutely, 52.

unbelievable, 53. shift, 54. molecule, 55. achieve

to successfully complete a task or goal, often through hard work, perseverance,

and dedication; to attain or accomplish something that one has set out to do

cylinders, 70. develop

ANSWERS: 71. modern, 72. engine, 73. cocreate, 74. yield, 75. process, 76. crux, 77. inspiration, 78. theme

ANSWERS: 79. unfortunately, 80. antibody, 81. automobile, 82. adjust, 83. cynical, 84. valid, 85. motors, 86. vendor

118.	The photographer adjusted the camera to focus on the image's point.
adj.	relating to an important or central point or area; sharp or precise in focus or detail
119.	The firm has grown into a large manufacturing.
adj.	relating to or connected with chemistry;
120.	We can connect this battery charger to any
n.	a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits
121.	Please write to your reservation.
ν.	to support or establish the truth or certainty of something previously believed or suspected to be the case
122.	It seems that he has forgotten our scheduled meeting.
adj.	likely to happen or likely to be true
123.	Gamma penetrate body tissues and cause cell damage.
n.	a narrow line of light, heat, or another form of energy
124.	The bid for this auction is \$100.
n.	a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
125.	That adventurer traveled in of buried treasure.
n.	a long or challenging search for something
126.	The intelligence system has revolutionized the way we live and work.
adj.	not natural and made by human beings; not real but produced to resemble something
	WERS: 118. focal, 119. chemical, 120. socket, 121. confirm, 122. probable, 123. , 124. increment, 125. quest, 126. artificial

ANSWERS: 127. combine, 128. fulfilled, 129. component, 130. blend, 131. bacon, 132. medicinal, 133. mobility, 134. frank, 135. ample

ANSWERS: 136. typical, 137. nanoscale, 138. rammed, 139. transformed, 140. quarter, 141. chauffeur, 142. stipulates, 143. invention

ANSWERS: 144. residual, 145. affordable, 146. launch, 147. passion, 148. unwise, 149. treatment, 150. lens

ANSWERS: 151. midnight, 152. inclusive, 153. president, 154. mere, 155. divide, 156. engrossed, 157. equivalent, 158. property, 159. gentle

ANSWERS: 160. questionable, 161. laboratory, 162. tradition, 163. fins, 164. cartoon, 165. humanlike, 166. county's, 167. unfolded

- an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
- 183. The restaurant _____ a ban on smoking.
 - v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 176. disease, 177. fellow, 178. segments, 179. moving, 180. supple, 181. density, 182. cycle, 183. reversed

189. improve, 190. leadership, 191. inspired

192. The dermatologist prescribed a special cream to help manage his symptoms.
n. a chronic skin condition characterized by patches of thick, red, and scaly skin that may be itchy or painful; an autoimmune disorder in which the immune system mistakenly speeds up the growth cycle of skin cells
193. He accidentally sprained his playing squash.
n. the part or joint connecting the foot to the leg
194. The painting is and there is no other like it.
adj. being the only one of its kind; unlike anything else
195. Mozart was an prodigy.
n. a baby or very young child
196. The conditions of the prison were and inhumane.
adj. very bad, unpleasant, or causing fear
197. To sell the product, the companies have formed an
 a partnership or association formed for mutual benefit, particularly between nations or organizations.
198. The bride wore a dress that was designed to fit her perfectly.
adj. made to order or custom-designed for a particular customer or client, tailored t meet individual needs or specifications
ANSWERS: 192. psoriasis, 193. ankle, 194. unique, 195. infant, 196. dreadful, 197. alliance, 198. custom-made