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Ramez Naam: A faster way to get to a clean energy future | TED Talk

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All Words

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Session 1: Word List

honor

 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

synonym: integrity, virtue, acclaim

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

definitive

adj. serving to provide a final solution or to end a situation; final and not able to be changed

synonym: conclusive, final, decisive

(1) **definitive** answer, (2) a **definitive** edition

The study provided **definitive** proof of the effectiveness of the new drug.

panel

 a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

synonym: board, commission, discussion

(1) panel discussion, (2) cost of solar panels

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

watt

- n. a standard unit for measuring electrical power
- (1) 30- watt light bulb, (2) watt per square meter Several hectares of land are needed to generate more than 1-mega watt solar power.

decline

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

synonym: descend, drop, deny

(1) **decline** a job offer, (2) **decline** in quality
As people age, their digestive capacity also gradually **declines**.

infrastructure

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

synonym: foundation, framework

(1) IT **infrastructure**, (2) **infrastructure** cost Aging societies tend to require huge costs for **infrastructure** maintenance.

optimist

- a person who tends to expect the best in all things and to be hopeful and confident about the future
- synonym: positive thinker, dreamer, idealist
- (1) **optimist** by nature, (2) excessive **optimist**She is a confident **optimist** who always looks on the bright side.

foremost

adj. most important, leading, or prominentsynonym: leading, primary, first

(1) **foremost** expert, (2) keep **foremost** in mind The **foremost** priority is the safety of the passengers.

forecast

 a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance

synonym: prediction, outlook, (verb) guess

(1) a weather forecast, (2) forecast an epidemic

Their team specializes in demand **forecasts** for our products.

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**.

exponential

- adj. becoming more and more rapid; of or involving mathematical exponents
- (1) **exponential** growth, (2) **exponential** function Since the 1990s, the Internet has continued to experience **exponential** growth.

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.

fortunate

adj. having good luck or lucky

synonym: fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person He was pretty **fortunate** to pass the exam.

deception

 the act of misleading or tricking someone, often by creating a false impression or concealing the truth; a fraudulent or dishonest action

synonym: fraud, deceit, trickery

(1) **deception** tactics, (2) **deception** in advertising
The politician was accused of **deception** for making false promises during his campaign.

pace

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

synonym: gait, rate, speed

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

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

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

(1) massive amounts, (2) massive stars

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

underestimate

v. to think or suppose that a quantity, price, or size is smaller than it is

synonym: underrate, misjudge, miscalculate

(1) **underestimate** an enemy, (2) **underestimate** the probability

They frequently **underestimated** their abilities and felt inferior.

install

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

synonym: establish, inaugurate, lodge

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

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

deploy

- v. to move troops or weapons into a position or military action; to bring into something in an effective waysynonym: set up, expand, launch
- (1) **deploy** troops for battle, (2) **deploy** safety measures This country **deployed** its weapons in the east region.

installation

n. the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position

synonym: induction, introduction, furnishing

(1) installation fee, (2) a medical installation

The Queen attested the **installation** of state ministers to their portfolios.

trend

 a general direction in which something is changing or developing

synonym: direction, movement, tendency

(1) an international **trend**, (2) the **trend** away from television. The oil price continued their downward **trend**.

accelerate

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

synonym: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car The government tried to **accelerate** the commercialization of this development.

offshore

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

synonym: seaward, alongshore

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

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

battery

a device that is placed inside a car, gadget, equipment,
 etc. and that provides electrical power to them

synonym: electric cell, array, batch

(1) a dry **battery**, (2) **battery** charging

The engine did not start because the battery was flat.

grid

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

synonym: gridiron, battery grid, power system

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

Grid pattern roads often appear in urban areas.

storage

the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

synonym: storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature We store customer data in cloud **storage**.

electrify

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

synonym: wire, amaze, astonish

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

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

hydrogen

- the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
- (1) hydrogen gas, (2) heavy hydrogen The **hydrogen** and the oxygen react and then form water.

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

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.

industrious

aviation

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

synonym: flying, flight, aeronautics

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

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

claim

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

synonym: assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**

He wants to **claim** ownership of the abandoned property.

fossil

 any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym: relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

commodity

 a product or a raw material that can be traded, bought, or sold

synonym: merchandise, goods, entity

(1) **commodity** tax, (2) international **commodity**

The government announced a policy to control the rise in **commodity** prices.

fluctuate

v. to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably

synonym: vary, oscillate, sway

(1) **fluctuate** prices, (2) **fluctuate** rapidly

Stock prices **fluctuate** daily based on market demand and supply.

institute

 an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

synonym: academy, university, college

(1) institute a lawsuit, (2) research institutes

This region has many **institutes** offering higher education.

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.

coal

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

synonym: ember

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

largely

adv. virtually entirely; to a large degree synonym: mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue Nevada is **largely** a desert state.

instance

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

These articles cite five **instances** of climate change.

subsidy

n. money paid by a government or an organization as part of the cost of something to aid or encourage it to happen synonym: allowance, grant, sponsorship

(1) inefficient fossil fuel **subsidy**, (2) a **subsidy** for research The government provided a considerable **subsidy** to the company.

competitive

adj. involving competition or competitiveness *synonym*: aggressive, ambitious, militant

(1) a **competitive** price, (2) **competitive** position The mobile application industry is a **competitive** one.

operate

- v. to work in a particular way; to supervise something synonym: work, use, employ
- (1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

intermittent

adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

synonym: sporadic, irregular, periodic

(1) intermittent fever, (2) intermittent Wi-Fi

The **intermittent** rain made it difficult to plan a picnic.

barrier

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

synonym: border, barricade, fence

(1) cost barrier, (2) information barrier

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

critic

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

synonym: pundit, analyst, attacker

(1) art critic, (2) severe critic

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

mineral

- a solid inorganic substance occurring in nature having a definite chemical composition
- (1) vitamin and **minerals**, (2) **mineral** rights

 The robust economy of the country is based on its **mineral** resources.

transition

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

synonym: change, growth, shift

(1) **transition** phase, (2) ensure a smooth **transition**The nation's healthcare system is in **transition** at the moment.

reluctance

 a feeling of unwillingness or hesitation, especially when faced with a decision or undertaking

synonym: hesitation, resistance, unwillingness

(1) overcoming **reluctance**, (2) **reluctance** in buying
The company's **reluctance** to invest in new technology kept
them from competing with other businesses.

backyard

- n. a whole space behind and belonging to a housesynonym: courtyard, garden
- (1) play in the **backyard**, (2) **backyard** barbecue He grows vegetables in his **backyard**.

permit

v. to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization

synonym: allow, authorize, concede

(1) permit application, (2) work permit

The teacher will not **permit** any students to leave the classroom early.

renewable

adj. capable of being renewed, extended, or replaced synonym: sustainable, replaceable

renewable energy, (2) renewable subscriptions
 The production of renewable fuels requires massive volumes

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of fresh water.

complaint

 a statement that expresses dissatisfaction or annoyance about something

synonym: grievance, objection, accusation

(1) **complaint** department, (2) **complaint** about price-gouging

She filed a **complaint** with the manager about the poor service.

compact

adj. closely and firmly united or packed together, using very little space; smaller than is usual

synonym: packed, tight, consolidated

a compact camera, (2) extremely compact device
 Two countries acted together as if by compact.

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.

agriculture

 the practice or science of cultivating the land or raising stock

synonym: farming, husbandry, agribusiness

organic agriculture, (2) intensive agriculture
 Agriculture is the foundation of our economy.

graze

v. to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping

synonym: nibble, feed, scrape

(1) turn cattle out to **graze**, (2) **graze** the left shoulder The sheep **graze** on the green grass in the meadow.

turbine

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

synonym: engine, generator, power plant

(1) turbine energy, (2) turbine aerofoil

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

crop

a plant that is cultivated in large amounts, particularly for food

synonym: output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

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.

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.

roughly

adv. approximately but not precisely; with a violent manner *synonym*: approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking Five miles is **roughly** similar to eight kilometers.

devote

v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose

synonym: commit, dedicate, apply

(1) **devote** all of my energies, (2) **devote** my own life He **devoted** himself to studying the history of ancient civilizations.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

nowhere

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

(1) **nowhere** else to go, (2) come out of **nowhere** I've been thinking all day and getting **nowhere**.

perception

- a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
- synonym: understanding, idea, awareness
- (1) keen **perception**, (2) **perception** of a stimulus He is a man admired for the depth of his **perception**.

solar

- adj. of, from, or relating to the sun
- (1) the solar system, (2) a solar eclipse

Solar panels have greatly improved not only in performance but also in durability.

opposition

the act of disagreeing or resisting; the state of strong disagreement

synonym: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition** The **opposition** party strongly disagreed with the government's proposed legislation.

dependent

adj. relying on someone or something else for support or aid synonym: reliant, subject, subordinate

(1) dose- dependent induction, (2) a dependent person

The small island nation is heavily **dependent** on tourism as its main source of income.

continent

one of the earth's large landmasses; (adjective)
 abstaining from your feelings, especially your desire to have sex

synonym: landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion Flight across the **continent** was a daring adventure in its day.

plague

 any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

synonym: epidemic, pandemic, pest

(1) catch the **plague**, (2) deadly **plague**Our farm experienced a **plague** of locusts this year.

transmission

 the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

synonym: transportation, communication, broadcast

(1) **transmission** speed, (2) the **transmission** gears of a car

Education is the **transmission** of civilization.

ugly

adj. unattractive in appearance; unpleasant to look at *synonym*: unattractive, unsightly, repulsive

(1) an ugly sound, (2) ugly building

The ugly truth was that he had been lying to her for months.

sunshine

- n. the direct light and heat that comes from the sun synonym: sunlight, daylight, rays
- (1) warm **sunshine**, (2) morning **sunshine**The **sunshine** was so bright that I had to wear sunglasses to protect my eyes.

dramatic

adj. very sudden, very excellent, or full of action and excitement

synonym: striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea The statement had a **dramatic** impact on house prices.

simulate

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

synonym: pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario He had painted the wood to **simulate** stone.

reliability

 the quality of being able to be trusted or believed in doing what someone desires or requires

synonym: dependability, trustability, solidness

(1) improve **reliability**, (2) **reliability** test The incident threw questions on her motivations and **reliability**.

carbon

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

 Trees absorb **carbon** dioxide and give off oxygen.

emission

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

There are five distinct **emissions** at five unique wavelengths.

primarily

adv. mainly

synonym: largely, mainly, mostly

(1) intended **primarily** for young people, (2) **primarily** affect adults

All peaceful cooperation is based **primarily** on mutual trust.

hydro

 a prefix denoting water or relating to water, usually used in scientific or technical terminology

synonym: water, aqua, liquid

(1) hydro power, (2) hydro turbine

The **hydro** plant generates electricity by harnessing the power of water.

countercyclical

adj. describes policies, actions, or industries that oppose or mitigate the effects of an economic cycle, meaning that they work to support economic growth during times of recession and reduce it during times of expansion

synonym: anticyclical, opposite, counter-seasonal

(1) **countercyclical** policies, (2) **countercyclical** government spending

The government's **countercyclical** measures helped prevent a deep recession during the economic downturn.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

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

oversimplify

- v. to describe or explain something in a way that is too simple and no longer holds true
- (1) **oversimplify** the problem, (2) **oversimplify** a complex reality

People may **oversimplify** natural phenomena due to the improved accessibility of knowledge.

decarbonize

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

synonym: decoke, decarburise, decarburize

- (1) **decarbonize** their manufacturing process,
- (2) decarbonize its energy system

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

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.

trillion

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

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.

dam

 a wall constructed over a river to block the flow of water, mainly used to generate energy

synonym: barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing The break in the **dam** threatened the valley.

economics

 the branch of social science that deals with the production, consumption, and transfer of goods and services

synonym: social science, finance, business

welfare economics, (2) economics professor
 description to agricultural economics.

bulk

 the quantity or size of something that is very large; the main part of something

synonym: majority, largeness, amount

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(1) buy in **bulk**, (2) **bulk** data transfer I received a parcel of great **bulk**.

interior

n. the inside or inner part of something; the space within the walls of a building

synonym: inner, inside, internal

(1) **interior** decoration, (2) plenty of **interior** space The painter focused on the moody **interiors** of abandoned buildings in his work.

voltage

- the difference in the force of an electric current between two points
- the voltage spiked, (2) low voltage
 Connecting batteries in series increase the voltage of the circuit.

transmit

- v. to send or forward an electronic signal; to pass something from one person or thing to anothersynonym: convey, share, dispatch
- (1) **transmit** the disease, (2) **transmit** information

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

efficient

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

synonym: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances
The new washing machine is much more **efficient** than the old one.

penny

 a small denomination of currency or coin, typically the smallest unit of a currency system; in the US, a coin worth one cent

synonym: cent, coin, copper

(1) **penny** stock, (2) save a **penny**

I found a lucky **penny** on the ground while walking to work

this morning.

technique

 a particular way or art of doing something that needs skill

synonym: approach, procedure, strategy

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

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

feasible

adj. capable of being or likely to be made, done, or achieved *synonym*: achievable, possible, attainable

(1) economically **feasible**, (2) **feasible** assumption It is not **feasible** and inefficient to complete many tasks at once.

advance

- v. to go or move forward; to develop in a positive way synonym: progress, boost, come along
- (1) **advance** the technology, (2) **advance** a cooperative relationship

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

statistics

- n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
- (1) **statistics** for cancer, (2) official **statistics**The **statistics** demonstrate that poverty and unemployment are genuine problems.

dense

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

synonym: heavy, thick, idiotic

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

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

devoid

adj. completely lacking or free from something

synonym: empty, lacking, void

(1) **devoid** of life, (2) air **devoid** of pollution

The room was **devoid** of any furniture or decorations.

assert

 to state something firmly and confidently, often in a way that is intended to convince others that it is true

synonym: maintain, state, declare

(1) **assert** a free society, (2) **assert** a claim for unjust enrichment

She **asserted** that she was innocent, despite the evidence against her.

build-out

 the process of constructing, expanding, or renovating a physical structure, such as a building or infrastructure for utilities

synonym: expansion, infrastructure, development

(1) restaurant **build-out**, (2) network **build-out**The company's **build-out** of new stores nationwide allowed them to increase its market reach.

competition

 a situation in which someone is attempting to beat or outperform another

synonym: contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

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.

policy

n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective synonym: strategy, plan, guideline

(1) health policy, (2) foreign policy

The company's new **policy** on remote work has made it a more inclusive workplace.

incentive

n. something, such as a punishment, reward, etc., that encourages a person to do something

synonym: encouragement, inducement, enticement

(1) financial **incentives**, (2) an **incentive** to work hard They have no **incentive** to win the game.

abundant

adj. present in great quantity

synonym: ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water The country has **abundant** oil and natural gas resources.

duplicate

v. to make or be an exact copy of something; to reproduce something

synonym: copy, replicate, reproduce

(1) **duplicate** my efforts, (2) **duplicate** his action I need to **duplicate** this document before I send it.

provider

 a person or an organization that supplies somebody with something needed or wanted

synonym: supplier

(1) an information **provider**, (2) the **provider** of the family People select Internet **providers** not only in terms of price but also in terms of transmission speed.

confidence

n. the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something

synonym: self-trust, certainty, belief

(1) **confidence** as a teacher, (2) boost my **confidence** Skill and **confidence** are an unconquered army.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

(1) a remote relative, (2) relative factors

Most countries prohibit sexual activity between certain close relatives.

geography

a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
 synonym: landscape, terrain, topography

(1) **geography** class, (2) economic **geography** She did well on her **geography** exam.

planet

 any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet** Mercury is the closest **planet** to the sun.

inflation

a general and progressive increase in prices;
 (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air

synonym: increase, swelling, boom

(1) **inflation** control, (2) global **inflation**Investment in index funds can often be a hedge against **inflation**.

reduction

- n. a decrease in size, amount, or degree synonym: diminution, decrease, cutback
- (1) **reduction** strategy, (2) a gradual **reduction**The **reduction** in carbon emissions has been significant since the implementation of the new policy.

crisis

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

taken

synonym: concern, problem, emergency

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

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

rev

a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym: revolution, RPM, speed

(1) low- rev engine, (2) rev up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

tremendous

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

synonym: enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity We had a **tremendous** time yesterday.

analyze

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

synonym: explore, examine, investigate

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

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

fundamental

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

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights Human behavior has **fundamental** characteristics.

opposed

adj. being completely different from something or disagreeing strongly with something

synonym: anti, averse, hostile

(1) two **opposed** characters, (2) absolutely **opposed** to abortion

I'm strongly **opposed** to that plan.

consequence

 the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental consequences.

dire

adj. extremely serious or urgent; critical, grave, or disastrous *synonym*: serious, critical, desperate

(1) suffer dire poverty, (2) dire situation

The **dire** economic straits called for immediate action.

manifest

v. to show something such as feeling, attitude, quality, etc. clearly through signs or actions

synonym: exhibit, make plain, demonstrate

(1) manifest as the word, (2) manifest displeasure

The Prime Minister **manifested** his regret for his neighbors

eliminate

- v. to remove or get rid of someone or something synonym: wipe out, destroy, eradicate
- (1) **eliminate** contestants, (2) **eliminate** sexual barriers We can **eliminate** this possibility from those consumptions.

boost

- v. to improve, raise, or increase something synonym: raise, advance, promote
- (1) boost the economy, (2) boost flexibilityThe new service helped boost net income by 10%.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym: robust, sturdy, tough

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

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

dominate

v. to have or control a lot of power and influence over somebody or something

synonym: govern, rule, prevail

(1) **dominate** possession, (2) **dominate** over the weak The perspective of his right brain **dominates** his consciousness.

economical

- adj. providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessarysynonym: frugal, thrifty, parsimonious
- (1) **economical** use of her time, (2) an **economical** meal It is more **economical** to wash your plastic bottle and reuse it.

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.

conclude

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

synonym: complete, finish, decide

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

Session 2: Spelling

1.	energy-efnt appliances	adj.	performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
2.	a suy for research	n.	money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
3.	reon strategy	n.	a decrease in size, amount, or degree
4.	an information prer	n.	a person or an organization that supplies somebody with something needed or wanted
5.	inon control	n.	a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air
6.	elfy a manufacturing process	<i>v</i> .	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
7.	cost of solar pals	n.	a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

ANSWERS: 1. efficient, 2. subsidy, 3. reduction, 4. provider, 5. inflation, 6. electrify, 7. panel

8.	the conce of an argument	n.	the outcome of a particular action or event, especially relative to an individual
9.	a defve edition	adj.	serving to provide a final solution or to end a situation; final and not able to be changed
10.	mon poetry	adj.	of or belonging to the present time or recent times
11.	low voe	n.	the difference in the force of an electric current between two points
12.	code a meeting	<i>v</i> .	to come to an end or close; to reach a judgment or opinion by reasoning
13.	hyo power	n.	a prefix denoting water or relating to water, usually used in scientific or technical terminology
14.	elte sexual barriers	<i>v</i> .	to remove or get rid of someone or something
15.	tue energy	n.	a machine that rotates to generate power from fluids such as water or gas
16.	a seafaring nan	n.	a large organized community of people living in a particular country or region and having a particular culture
17.	ane your real motives	<i>v</i> .	to think about in-depth and evaluate to discover essential features or meaning
18.	overcoming relce	n.	a feeling of unwillingness or hesitation, especially when faced with a decision o undertaking
19.	mast displeasure	<i>v</i> .	to show something such as feeling, attitude, quality, etc. clearly through signs or actions

ANSWERS: 8. consequence, 9. definitive, 10. modern, 11. voltage, 12. conclude, 13. hydro, 14. eliminate, 15. turbine, 16. nation, 17. analyze, 18. reluctance, 19. manifest

20. co de that he is healthy to come to an end or close; to reach a ν. judgment or opinion by reasoning 21. co____nt urinary diversion one of the earth's large landmasses; n. (adjective) abstaining from your feelings, especially your desire to have sex 22. a st___e battery the act or process of putting in and n. keeping something in a particular place for use in the future; an electronic memory device that can store information a general direction in which something 23. the tr d away from television n. is changing or developing a field of science devoted to the study 24. economic ge hy n. of the lands, features, inhabitants, and phenomena of the Earth a device that is placed inside a car, 25. ba____y charging n. gadget, equipment, etc. and that provides electrical power to them any preserved remains, impression, or 26. burning of fo I fuels n. trace of any once-living thing that has become hard and turned into rock 27. the so__r system adj. of, from, or relating to the sun 28. pre-mo___n agricultural society adj. of or belonging to the present time or recent times 29. an___e a chemical compound to think about in-depth and evaluate to discover essential features or meaning a pattern of regularly spaced horizontal 30. a g__d design n. and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

ANSWERS: 20. conclude, 21. continent, 22. storage, 23. trend, 24. geography, 25. battery, 26. fossil, 27. solar, 28. modern, 29. analyze, 30. grid

31. deadly pl	_e	n.	any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
32. deon	tactics	n.	the act of misleading or tricking someone, often by creating a false impression or concealing the truth; a fraudulent or dishonest action
33. gre the le	eft shoulder	ν.	to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping
34. d_m collaps	sing	n.	a wall constructed over a river to block the flow of water, mainly used to generate energy
35. mae a	mounts	adj.	enormous amount; very heavy and solid
36. the pr6	er of the family	n.	a person or an organization that supplies somebody with something needed or wanted
37. catch the pl	le	n.	any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
38. a remote re	ve	adj.	considered and evaluated through comparison with something else
39. intensive aç	grre	n.	the practice or science of cultivating the land or raising stock

ANSWERS: 31. plague, 32. deception, 33. graze, 34. dam, 35. massive, 36. provider, 37. plague, 38. relative, 39. agriculture

40.	a foI leaf	n.	any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
41.	the runner's pe	n.	the speed at which someone or something moves, or the rate at which something happens or changes
42.	the emon of light	n.	the act of production or sending out gas, heat, light, etc.
43.	even more unfely	adv.	by bad luck; unluckily
44.	effects of cle change	n.	the weather in a particular location averaged over some long period
45.	a weather fost	n.	a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
46.	information bar	n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
47.	office coon	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
48.	ecy of scale	n.	the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

ANSWERS: 40. fossil, 41. pace, 42. emission, 43. unfortunately, 44. climate, 45. forecast, 46. barrier, 47. co-location, 48. economy

49.	dute my efforts	<i>v</i> .	to make or be an exact copy of something; to reproduce something
50.	pet application	<i>v</i> .	to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
51.	excessive opst	n.	a person who tends to expect the best in all things and to be hopeful and confident about the future
52.	fost an epidemic	n.	a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
53.	keen peron	n.	a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
54.	a cold cle	n.	the weather in a particular location averaged over some long period
55.	IT infure	n.	the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
56.	absolutely opd to abortion	adj.	being completely different from something or disagreeing strongly with something
57.	trit information	ν.	to send or forward an electronic signal; to pass something from one person or thing to another

ANSWERS: 49. duplicate, 50. permit, 51. optimist, 52. forecast, 53. perception, 54. climate, 55. infrastructure, 56. opposed, 57. transmit

58.	smokeless fl	n.	a substance that is typically burned to generate heat or energy
59.	research intes	n.	an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
60.	intended prly for young people	adv.	mainly
61.	fele assumption	adj.	capable of being or likely to be made, done, or achieved
62.	ast a claim for unjust enrichment	ν.	to state something firmly and confidently, often in a way that is intended to convince others that it is true
63.	manually ope a machine	v.	to work in a particular way; to supervise something
64.	come out of noe	adv.	not in, at, or to any place; not anywhere
65.	art crc	n.	someone who expresses opinions about the quality of books, music, etc.
66.	d_m-building program	n.	a wall constructed over a river to block the flow of water, mainly used to generate energy
67.	roy speaking	adv.	approximately but not precisely; with a violent manner
68.	a sor eclipse	adj.	of, from, or relating to the sun
69.	deon in advertising	n.	the act of misleading or tricking someone, often by creating a false impression or concealing the truth; a fraudulent or dishonest action

ANSWERS: 58. fuel, 59. institute, 60. primarily, 61. feasible, 62. assert, 63. operate, 64. nowhere, 65. critic, 66. dam, 67. roughly, 68. solar, 69. deception

70.	make dric changes	adj.	very sudden, very excellent, or full of action and excitement
71.	treus amount	adj.	very great in degree or extent or amount or impact; extremely good
72.	oveify a complex reality	ν.	to describe or explain something in a way that is too simple and no longer holds true
73.	at your own pe	n.	the speed at which someone or something moves, or the rate at which something happens or changes
74.	a gradual reon	n.	a decrease in size, amount, or degree
75.	uy building	adj.	unattractive in appearance; unpleasant to look at
76.	an abnt supply of water	adj.	present in great quantity
77.	ensure a smooth traon	n.	the process or period of changing from one state or circumstance to another
78.	flte rapidly	v.	to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably
79.	elte contestants	<i>v</i> .	to remove or get rid of someone or something
80.	inI a door	v.	to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
81.	the teue applied to construction	n.	a particular way or art of doing something that needs skill
82.	undate the probability	<i>v</i> .	to think or suppose that a quantity, price, or size is smaller than it is

ANSWERS: 70. dramatic, 71. tremendous, 72. oversimplify, 73. pace, 74. reduction, 75. ugly, 76. abundant, 77. transition, 78. fluctuate, 79. eliminate, 80. install, 81. technique, 82. underestimate

83.	a teue in martial arts	n.	a particular way or art of doing something that needs skill
84.	ade a cooperative relationship	<i>v</i> .	to go or move forward; to develop in a positive way
85.	accte the car	ν.	to make something faster or earlier; to cause to develop or progress more quickly
86.	expal growth	adj.	becoming more and more rapid; of or involving mathematical exponents
87.	an ecoal meal	adj.	providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
88.	an uy sound	adj.	unattractive in appearance; unpleasant to look at
89.	for ince	n.	a particular example or single occurrence of something
90.	an ofre fund	adj.	situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
91.	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
92.	a hard and rent steel	adj.	able to withstand or recover quickly from difficult conditions
93.	a dry bay	n.	a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
94.	inefficient fossil fuel suy	n.	money paid by a government or an organization as part of the cost of something to aid or encourage it to happen

ANSWERS: 83. technique, 84. advance, 85. accelerate, 86. exponential, 87. economical, 88. ugly, 89. instance, 90. offshore, 91. sector, 92. resilient, 93. battery, 94. subsidy

95. ecy class
96. elfy the audience
97. private ser
09 20 w + light hulb
98. 30-wt light bulb
99. buy in bk
100. an international trd
101. construction of new cl plants
102. rele energy
103. biomass fl

104. c p field

- 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
- v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
- 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
- n. a standard unit for measuring electrical power
- n. the quantity or size of something that is very large; the main part of something
- n. a general direction in which something is changing or developing
- a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
- adj. capable of being renewed, extended, or replaced
- a substance that is typically burned to generate heat or energy
- *n.* a plant that is cultivated in large amounts, particularly for food

ANSWERS: 95. economy, 96. electrify, 97. sector, 98. watt, 99. bulk, 100. trend, 101. coal, 102. renewable, 103. fuel, 104. crop

105. ro	y explain my idea	adv.	approximately but not precisely; with a violent manner
106. pl _.	t like the Earth	n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
107. he	eavy hyen	n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
108. se	erver coon	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
109. m	eet with oppon	n.	the act of disagreeing or resisting; the state of strong disagreement
110. ba	ard barbecue	n.	a whole space behind and belonging to a house
111. ar	n inve to work hard	n.	something, such as a punishment, reward, etc., that encourages a person to do something
112. ac	ccte a chemical reaction	<i>v</i> .	to make something faster or earlier; to cause to develop or progress more quickly
113. ca	an dioxide	n.	a chemical element that can be found in pure form as diamond or graphite, and i is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 105. roughly, 106. planet, 107. hydrogen, 108. co-location, 109. opposition, 110. backyard, 111. incentive, 112. accelerate, 113. carbon

114. nan-state	n.	living in a particular country or region and having a particular culture
115. de situation	adj.	extremely serious or urgent; critical, grave, or disastrous
116. coe augmented reality	<i>v</i> .	to join or merge to form a single thing or group
117. nutrient-dee foods	adj.	containing a large number of people or something with little space between them
118. dute his action	<i>v</i> .	to make or be an exact copy of something; to reproduce something
119. extremely cot device	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
120. intent fever	adj.	occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
121. conce as a teacher	n.	the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something
122. less fote person	adj.	having good luck or lucky
123. ade the technology	<i>v</i> .	to go or move forward; to develop in a positive way
124. plenty of inor space	n.	the inside or inner part of something; the space within the walls of a building
125. unfely caught in a shower	adv.	by bad luck; unluckily
126. reve factors	adj.	considered and evaluated through comparison with something else

ANSWERS: 114. nation, 115. dire, 116. combine, 117. dense, 118. duplicate, 119. compact, 120. intermittent, 121. confidence, 122. fortunate, 123. advance, 124. interior, 125. unfortunately, 126. relative

127. coal swimming pool	adj.	belonging to or used by a group rather than individuals; for common use
128. can emission	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
129. ast a free society	ν.	to state something firmly and confidently, often in a way that is intended to convince others that it is true
130. two opd characters	adj.	being completely different from something or disagreeing strongly with something
131. coal combination of funds	adj.	belonging to or used by a group rather than individuals; for common use
132. fost expert	adj.	most important, leading, or prominent
133. air ded of pollution	adj.	completely lacking or free from something
134. dote possession	<i>v</i> .	to have or control a lot of power and influence over somebody or something
135. wt per square meter	n.	a standard unit for measuring electrical power
136. relty test	n.	the quality of being able to be trusted or believed in doing what someone desires or requires
137. 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

ANSWERS: 127. communal, 128. carbon, 129. assert, 130. opposed, 131. communal, 132. foremost, 133. devoid, 134. dominate, 135. watt, 136. reliability, 137. honor

someone

138. site a future scenario	ν.	to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
139. a comve price	adj.	involving competition or competitiveness
140. inte a lawsuit	n.	an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
141. global emons of greenhouse gases	n.	the act of production or sending out gas, heat, light, etc.
142. hyo turbine	n.	a prefix denoting water or relating to water, usually used in scientific or technical terminology
143. peron of a stimulus	n.	a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
144. decze its energy system	ν.	to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
145. slly alkaline soils	adv.	in a small degree or extent; a little
146. mast as the word	v.	to show something such as feeling, attitude, quality, etc. clearly through signs or actions

ANSWERS: 138. simulate, 139. competitive, 140. institute, 141. emission, 142. hydro, 143. perception, 144. decarbonize, 145. slightly, 146. manifest

147.	indus worker	adj.	hardworking, diligent, and persistent in effort
148.	lay mitigate the issue	adv.	virtually entirely; to a large degree
149.	global avon industry	n.	the activity or process of designing, building, flying, and maintaining aircraft
150.	oveify the problem	ν.	to describe or explain something in a way that is too simple and no longer holds true
151.	dee my own life	ν.	to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
152.	ope 24 hours a day	<i>v</i> .	to work in a particular way; to supervise something
153.	bk data transfer	n.	the quantity or size of something that is very large; the main part of something
154.	civil avon	n.	the activity or process of designing, building, flying, and maintaining aircraft
155.	dey troops for battle	ν.	to move troops or weapons into a position or military action; to bring into something in an effective way
156.	cont department	n.	a statement that expresses dissatisfaction or annoyance about something
157.	treus popularity	adj.	very great in degree or extent or amount or impact; extremely good
158.	the first round of the comon	n.	a situation in which someone is attempting to beat or outperform another

ANSWERS: 147. industrious, 148. largely, 149. aviation, 150. oversimplify, 151. devote, 152. operate, 153. bulk, 154. aviation, 155. deploy, 156. complaint, 157. tremendous, 158. competition

159. womaniy nor	n.	someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone		
160. coucal government spending	adj.	describes policies, actions, or industries that oppose or mitigate the effects of an economic cycle, meaning that they work to support economic growth during times of recession and reduce it during times of expansion		
161. boost my conce	n.	the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something		
162. dee forests	adj.	containing a large number of people or something with little space between them		
163. dote over the weak	v.	to have or control a lot of power and influence over somebody or something		
164. financial inves	n.	something, such as a punishment, reward, etc., that encourages a person to do something		
165. paI discussion	n.	a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something		
166. save the plt	n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star		
ANSWERS: 159. honor, 160. countercyclical, 161. confidence, 162. dense, 163. dominate, 164. incentive, 165. panel, 166. planet				

167. a convex Is	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
168. traion speed	n.	the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
169. a wire gd	n.	a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
170. inor decoration	n.	the inside or inner part of something; the space within the walls of a building
171. coty tax	n.	a product or a raw material that can be traded, bought, or sold
172. undate an enemy	v.	to think or suppose that a quantity, price, or size is smaller than it is
173. bot the economy	<i>v</i> .	to improve, raise, or increase something
174. an ofre oil field	adj.	situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
175. dee a job offer	v.	to become gradually smaller, fewer, worse, etc.; to refuse to accept
176. funal rights	adj.	forming an essential base or core from which everything else develops or is affected

ANSWERS: 167. lens, 168. transmission, 169. grid, 170. interior, 171. commodity, 172. underestimate, 173. boost, 174. offshore, 175. decline, 176. fundamental

177. cp herbicide	n.	a plant that is cultivated in large amounts, particularly for food
178. increase slly	adv.	in a small degree or extent; a little
179. traon phase	n.	the process or period of changing from one state or circumstance to another
180. dee all of my energies	<i>v</i> .	to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
181. inI a chairperson	ν.	to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
182. warm sune	n.	the direct light and heat that comes from the sun
183. comve position	adj.	involving competition or competitiveness
184. financial crs	n.	a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
185. noe else to go	adv.	not in, at, or to any place; not anywhere
186. tue aerofoil	n.	a machine that rotates to generate power from fluids such as water or gas
187. r_v up the crowd	n.	a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
188. severe crc	n.	someone who expresses opinions about the quality of books, music, etc.

ANSWERS: 177. crop, 178. slightly, 179. transition, 180. devote, 181. install, 182. sunshine, 183. competitive, 184. crisis, 185. nowhere, 186. turbine, 187. rev, 188. critic

189. miI rights	n.	a solid inorganic substance occurring in nature having a definite chemical composition
190. the traion gears of a car	n.	the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
191. morning sune	n.	the direct light and heat that comes from the sun
192. site climate change	v.	to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
193. a dent person	adj.	relying on someone or something else for support or aid
194. tron cubic feet	n.	the number 1,000,000,000,000; a million million
195. dit sleep	ν.	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
196. coe chemically with another substance	<i>v</i> .	to join or merge to form a single thing or group
197. ste at low temperature	n.	the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

ANSWERS: 189. mineral, 190. transmission, 191. sunshine, 192. simulate, 193. dependent, 194. trillion, 195. disrupt, 196. combine, 197. storage

198.	ecoal use of her time	adj.	providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
199.	indus student	adj.	hardworking, diligent, and persistent in effort
200.	rele subscriptions	adj.	capable of being renewed, extended, or replaced
201.	prly affect adults	adv.	mainly
202.	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
203.	health poy	n.	a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
204.	restaurant buut	n.	the process of constructing, expanding, or renovating a physical structure, such as a building or infrastructure for utilities
205.	work pet	<i>v</i> .	to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
206.	decze their manufacturing process	ν.	to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
ΔNS	SWERS: 198 economical 199 industri	SIIC	200 renewable 201 primarily 202

ANSWERS: 198. economical, 199. industrious, 200. renewable, 201. primarily, 202 disrupt, 203. policy, 204. build-out, 205. permit, 206. decarbonize

207. international coty	n.	a product or a raw material that can be traded, bought, or sold
208. false clm	ν.	to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
209. bot flexibility	v.	to improve, raise, or increase something
210. trit the disease	ν.	to send or forward an electronic signal; to pass something from one person or thing to another
211. a dric rescue at sea	adj.	very sudden, very excellent, or full of action and excitement
212. improve relty	n.	the quality of being able to be trusted or believed in doing what someone desires or requires
213. the voe spiked	n.	the difference in the force of an electric current between two points
214. rent population	adj.	able to withstand or recover quickly from difficult conditions
215. crs management	n.	a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
216. infure cost	n.	the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

ANSWERS: 207. commodity, 208. claim, 209. boost, 210. transmit, 211. dramatic, 212. reliability, 213. voltage, 214. resilient, 215. crisis, 216. infrastructure

217. coucal policies	adj.	describes policies, actions, or industries that oppose or mitigate the effects of an economic cycle, meaning that they work to support economic growth during times of recession and reduce it during times of expansion
218. unintended conces	n.	the outcome of a particular action or event, especially relative to an individual
219. dee in quality	<i>v</i> .	to become gradually smaller, fewer, worse, etc.; to refuse to accept
220. global inon	n.	a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air
221. a medical insion	n.	the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position
222. organic agrre	n.	the practice or science of cultivating the land or raising stock
223. funal education	adj.	forming an essential base or core from which everything else develops or is affected
224. lay accepted	adv.	virtually entirely; to a large degree
225. fote situation	adj.	having good luck or lucky
226. a cl-fired ship	n.	a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

ANSWERS: 217. countercyclical, 218. consequence, 219. decline, 220. inflation, 221. installation, 222. agriculture, 223. fundamental, 224. largely, 225. fortunate, 226. coal

227. live an abnt life	adj.	present in great quantity
228. flte prices	<i>v</i> .	to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably
229. eccs professor	n.	the branch of social science that deals with the production, consumption, and transfer of goods and services
230. keep fost in mind	adj.	most important, leading, or prominent
231. save a pey	n.	a small denomination of currency or coin, typically the smallest unit of a currency system; in the US, a coin worth one cent
232. opst by nature	n.	a person who tends to expect the best in all things and to be hopeful and confident about the future
233. clm responsibility	v.	to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
234. cost bar	n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
235. suffer de poverty	adj.	extremely serious or urgent; critical, grave, or disastrous
236. oppon campaign	n.	the act of disagreeing or resisting; the state of strong disagreement

ANSWERS: 227. abundant, 228. fluctuate, 229. economics, 230. foremost, 231. penny, 232. optimist, 233. claim, 234. barrier, 235. dire, 236. opposition

237. turn cattle out to gre	<i>v</i> .	to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping
238. many trons of dollars	n.	the number 1,000,000,000,000; a million million
239. a cot camera	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
240. efnt operation	adj.	performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
241. dey safety measures	ν.	to move troops or weapons into a position or military action; to bring into something in an effective way
242. hyen gas	n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
243. dose-dent induction	adj.	relying on someone or something else for support or aid
244. welfare eccs	n.	the branch of social science that deals with the production, consumption, and transfer of goods and services
245. the inland of a cont	n.	one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

ANSWERS: 237. graze, 238. trillion, 239. compact, 240. efficient, 241. deploy, 242. hydrogen, 243. dependent, 244. economics, 245. continent

246. foreign poy	n.	a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
247. economically fele	adj.	capable of being or likely to be made, done, or achieved
248. mae stars	adj.	enormous amount; very heavy and solid
249. insion fee	n.	the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position
250. expal function	adj.	becoming more and more rapid; of or involving mathematical exponents
251. ded of life	adj.	completely lacking or free from something
252. gehy class	n.	a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
253. defve answer	adj.	serving to provide a final solution or to end a situation; final and not able to be changed
254. pey stock	n.	a small denomination of currency or coin, typically the smallest unit of a currency system; in the US, a coin worth one cent
ANCINEDO 246 policy 247 foocible 249		poisse 240 installation 250

ANSWERS: 246. policy, 247. feasible, 248. massive, 249. installation, 250. exponential, 251. devoid, 252. geography, 253. definitive, 254. penny

255. relce in buying	n.	a feeling of unwillingness or hesitation, especially when faced with a decision or undertaking
256. a ls with a wide angle	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
257. play in the bard	n.	a whole space behind and belonging to a house
258. vitamin and mils	n.	a solid inorganic substance occurring in nature having a definite chemical composition
259. official stacs	n.	the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
260. low-r_v engine	n.	a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
261. notable ince	n.	a particular example or single occurrence of something
262. cont about price-gouging	<i>n</i> .	a statement that expresses dissatisfaction or annoyance about something
263. stacs for cancer	n.	the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 255. reluctance, 256. lens, 257. backyard, 258. mineral, 259. statistics, 260. rev, 261. instance, 262. complaint, 263. statistics

264. network buut	n.	the process of constructing, expanding, or renovating a physical structure, such as a building or infrastructure for utilities
265. intraspecific comon	n.	a situation in which someone is attempting to beat or outperform another
266. intent Wi-Fi	adj.	occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

ANSWERS: 264. build-out, 265. competition, 266. intermittent

Session 3: Fill in the Blanks

	All peaceful cooperation is based on mutual trust. v. mainly
2. v.	The Prime Minister his regret for his neighbors to show something such as feeling, attitude, quality, etc. clearly through signs or actions
3.	People select Internet not only in terms of price but also in terms of transmission speed.
n.	a person or an organization that supplies somebody with something needed or wanted
4.	We had a time yesterday.
adj	i. very great in degree or extent or amount or impact; extremely good
5.	The photographer took this photo using a telephoto
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
6.	Jockey's superior brought him victory.
	a particular way or art of doing something that needs skill
7.	Skill and are an unconquered army.
n.	the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something
	SWERS: 1. primarily, 2. manifested, 3. providers, 4. tremendous, 5. lens, 6. hnique, 7. confidence

ANSWERS: 8. interiors, 9. instances, 10. massive, 11. modern, 12. build-out, 13 claim, 14. renewable, 15. competitive

Vocab-Builder Ref from "Ramez Naam: A faster way to get to a clean energy future | TED Talk" (133 words)

24. 5	Since the 1990s, the Internet has continued to experience	growth
adj.	becoming more and more rapid; of or involving mathematical exponents	8
25. 7	This region has many offering higher education.	
n.	an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce establish something	
	The company undertakes development for software companies many countries.	s in
adj.	situated at or happening in the sea, not far from the shore or land; (of w coming from the land	inds)
27. H	He moved his body to the left.	
adv.	in a small degree or extent; a little	
28. N	Mercury is the closest to the sun.	
n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star	
29. 1	The teacher will not any students to leave the classroom early.	
v.	to allow for something to happen or be done; (noun) the act of giving a fusually written, authorization	formal,
	The product developed through years of research continues to narket.	_ the
v.	to make a machine or system work by using electricity; to make someor extremely enthusiastic about or interested in something	ne
31. F	He was pretty to pass the exam.	
adj.	having good luck or lucky	
	WERS: 24. exponential, 25. institutes, 26. offshore, 27. slightly, 28. planenti, 30. electrify, 31. fortunate	et, 29.

ANSWERS: 32. panel, 33. dependent, 34. fossil, 35. dramatic, 36. carbon, 37. fundamental, 38. competition, 39. optimist

40. I received a parcel of great
n. the quantity or size of something that is very large; the main part of something
41. Sow early for an early
n. a plant that is cultivated in large amounts, particularly for food
42. I've been thinking all day and getting
adv. not in, at, or to any place; not anywhere
43. We can this possibility from those consumptions.
v. to remove or get rid of someone or something
44. The country has oil and natural gas resources.
adj. present in great quantity
45. The treatments were done but, were unsuccessful.
adv. by bad luck; unluckily
46. The sheep on the green grass in the meadow.
v. to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping
47. The company's new on remote work has made it a more inclusive workplace.
a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
ANSWERS: 40. bulk, 41. crop, 42. nowhere, 43. eliminate, 44. abundant, 45. unfortunately, 46. graze, 47. policy

ANSWERS: 48. transmission, 49. transition, 50. economical, 51. barrier, 52. economics, 53. opposed, 54. boost, 55. declines

56. The economic straits called for immediate action.
adj. extremely serious or urgent; critical, grave, or disastrous
57. The entire mountain is covered in rainforest.
adj. containing a large number of people or something with little space between them
58. The party strongly disagreed with the government's proposed legislation.
n. the act of disagreeing or resisting; the state of strong disagreement
59. One light year is nearly 6 miles.
n. the number 1,000,000,000,000; a million million
60. The perspective of his right brain his consciousness.
v. to have or control a lot of power and influence over somebody or something
61. This machine is too difficult to for me.
v. to work in a particular way; to supervise something
62. I found a lucky on the ground while walking to work this morning.
 a small denomination of currency or coin, typically the smallest unit of a currency system; in the US, a coin worth one cent
63. The government announced a policy to control the rise in prices.
n. a product or a raw material that can be traded, bought, or sold
64. The teacher attempted to the root cause of our mistake.
ν . to think about in-depth and evaluate to discover essential features or meaning
ANSWERS: 56. dire, 57. dense, 58. opposition, 59. trillion, 60. dominates, 61. operate, 62. penny, 63. commodity, 64. analyze

ANSWERS: 73. hydrogen, 74. devoid, 75. intermittent, 76. accelerate, 77. resilient, 78. relatives, 79. largely, 80. emissions, 81. pace

ANSWERS: 97. feasible, 98. perception, 99. sector, 100. combine, 101. battery, 102. economy, 103. honor, 104. geography

ANSWERS: 105. simulate, 106. decarbonize, 107. Solar, 108. storage, 109. sunshine, 110. definitive, 111. underestimated, 112. nation

- a solid inorganic substance occurring in nature having a definite chemical composition
- n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

116. Aging societies tend to require huge costs for _____ maintenance.

- 117. The ____ scarcity most severely impacted the manufacturing sector
- n. a substance that is typically burned to generate heat or energy
- 118. She filed a _____ with the manager about the poor service.
 - n. a statement that expresses dissatisfaction or annoyance about something
- 119. Investment in index funds can often be a hedge against _____.
- n. a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air
- 120. Flight across the _____ was a daring adventure in its day.
 - n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

ANSWERS: 113. roughly, 114. transmit, 115. mineral, 116. infrastructure, 117. fuel, 118. complaint, 119. inflation, 120. continent

ANSWERS: 121. fluctuate, 122. coal, 123. forecasts, 124. installation, 125. consequences, 126. advance, 127. industrious, 128. trend

ANSWERS: 129. countercyclical, 130. voltage, 131. co-location, 132. aviation, 133. turbines