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Vocabulary Builder Reference from...

Solomon Goldstein-Rose: How much clean electricity do we really need? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

climate

n. the weather in a particular location averaged over some long period

synonym: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

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.

engineer

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

synonym: architect, creator, builder

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

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

trillion

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

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

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

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.

electrify

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

synonym: wire, amaze, astonish

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

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

fossil

n. 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.

fuel

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

synonym: energy, power, gas

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

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

dominant

adj. more important, influential, or easy to notice than anything else of the same type

synonym: chief, predominant, prevailing

(1) achieve a **dominant** share, (2) **dominant** force

Her company soon won a **dominant** market share.

mindset

n. the established set of attitudes or fixed ideas held by someone

synonym : attitude, ethos, mentality

(1) flexible **mindset**, (2) the **mindset** in an education system

Countries whose goal is economic development often focus on fostering an entrepreneurial **mindset** in each individual.

replace

v. to take the place of something

synonym : substitute, supersede, displace

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

generation

n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity

synonym : cohort, age group, era

(1) **generation** gap, (2) the **generation** of electricity

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

hydro

n. 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.

nuclear

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

synonym : atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

projection

n. the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from

something; an image on a screen cast from something
synonym : estimate, forecast, prediction

(1) draw a **projection** chart, (2) **projection** mapping

The weather forecast includes a **projection** of the high and low temperatures for the next week.

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.

multiply

v. to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

synonym : boost, amplify, reproduce

(1) **multiply** 5 and 6, (2) **multiply** about hundredfold

Multiply a number by itself twice.

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.

negative

adj. having the quality of something bad or harmful; expressing refusal

synonym : minus, adverse, pessimistic

(1) have a **negative** effect, (2) a **negative** number

The movie has received almost universally **negative** criticism.

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.

industrial

adj. of or relating to or resulting from industry
synonym : manufacturing, mechanical

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

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

process

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

synonym : procedure, method, system

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

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

equip

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

synonym : prepare, furnish, provide

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

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

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.

ambitious

adj. having a great desire to attain achievement, power, or wealth

synonym: enterprising, challenging, earnest

(1) achieve **ambitious** goals, (2) with an **ambitious** eye
Their company has been in business for a short time but has **ambitious** goals.

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.

unreliable

adj. not able to be trusted or depended on

synonym: inconsistent, erratic, undependable

(1) prove **unreliable**, (2) **unreliable** source of information
By incorrect assumption, statistics can be notoriously **unreliable**.

industrialize

v. to organize the production of something into an industry

synonym: motorize

(1) **industrialize** service, (2) **industrialized** textile production

The nations of South East Asia will quickly **industrialize** and catch up with the West.

efficiency

n. the state or quality of doing something well with no waste of input such as time or money

synonym: effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**
Our company must continue to strive for greater **efficiency**.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve

greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

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

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

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym: raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

poverty

n. the condition of being extremely poor

synonym: deprivation, destitution, poorness

(1) **poverty** alleviation, (2) the cycle of **poverty**

Many studies have investigated the relationship between **poverty** and academic achievement.

commerce

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

synonym: trade, transaction, dealings

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

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

moral

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

synonym:

honest, ethical, conscientious

(1) **moral** hazard, (2) **moral** burden

Ethics deals with **moral** conduct.

practical

adj. of or connected with actual use or real situation rather than with theory and ideas

synonym: applicable, functional, realistic

(1) **practical** English, (2) gain **practical** experience

Her concept is highly **practical** and helpful.

necessarily

adv. in an essential manner; in such a way as could not be otherwise

synonym: inevitable, certainly, automatically

(1) not **necessarily** a problem, (2) **necessarily** true

This accident was something that happened **necessarily**.

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.

expansion

n. the process of becoming larger or more extensive, or the result of this process

synonym: growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project

The company is undergoing an **expansion**, opening new locations in several states.

accommodate

v. to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose

synonym: house, rent, adjust

(1) **accommodate** a person with money, (2) **accommodate** these needs

This large SUV **accommodates** eight people.

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.

debatable

adj. open to discussion or argument; capable of being disputed or doubted

synonym: questionable, uncertain, open to discussion

(1) the validity of the theory is **debatable**, (2) **debatable** topic

Whether or not extraterrestrial life exists is still **debatable** among scientists.

discourse

n. any form of communication in speech or writing

synonym: discussion, dialogue, communication

(1) hold **discourse** with him, (2) a **discourse** about art

Sweet **discourse** makes short days and nights.

long-range

adj. relating to or extending over a long distance, period of time, or range of possibilities

synonym: far-reaching, extended, distant

(1) **long-range** radar, (2) **long-range** weather forecast

The military uses **long-range** missiles to hit targets from far away.

instance

n. a particular example or single occurrence of something

synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

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

density

n. the quality of compactness of a substance

synonym: tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

liquid

n. a substance, such as water or oil that flows freely and is neither a solid nor a gas

synonym: fluid

(1) colorless **liquid**, (2) hazardous **liquid**

The sponge takes up the **liquid** well.

waive

v. to give up or relinquish a claim or right voluntarily; to refrain from insisting on or enforcing a requirement or rule

synonym: forgo, relinquish, abstain

(1) **waive** the claim, (2) **waive** fees

The homeowners decided to **waive** the inspection fee for the interested buyers to make the sale smoother.

optimistic

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

synonym: hopeful, auspicious, cheery

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

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

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym: guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

carbon

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

(1) **carbon** dioxide, (2) **carbon** emission

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

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym: catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

government

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

synonym: administration, regime, state

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

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

mandate

n. an official or authoritative instruction or command; a commission or authority to carry out a particular task

synonym: command, instruction, authority

(1) **mandate** obligation, (2) an Imperial **mandate**

The **mandate** given to the new government is to improve the economy.

sustainable

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

synonym: continuable, enduring, tolerable

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

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

biofuel

n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

synonym: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology

The airplane was powered by a **biofuel** made from plant-based materials.

enforce

v. to make sure that people obey a particular law, rule, or situation

synonym: execute, implement, administer

(1) **enforce** the law, (2) **enforce** a contract

Governments make rules, and police **enforce** them.

strict

adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

synonym: rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

biomass

n. the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms

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

The **biomass** in a forest can be measured by collecting and weighing all living plants within a specific area.

deforest

v. to clear an area of forest or trees

synonym: clear-cut, strip, denude

(1) **deforest** a mountain, (2) **deforest** millions of acres

The company planned to **deforest** a large rainforest area to make way for a new plantation.

agriculture

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

synonym: farming, husbandry, agribusiness

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

Agriculture is the foundation of our economy.

bioenergy

n. energy derived from biomass materials, such as plants or organic waste, that can be converted into a usable form of heat, electricity, or fuel

synonym: green energy

(1) **bioenergy** potential, (2) **bioenergy** plant

Bioenergy production can be achieved through various methods, such as anaerobic digestion and combustion.

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.

imperfectly

adv. in a faulty or incomplete way
synonym: amiss, insufficiently, clumsily

(1) **imperfectly** developed, (2) **imperfectly** known disease

He created an **imperfectly** shaped torso.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

neutral

adj. not helping or assisting either side in a conflict, argument, etc.

synonym: impartial, uninvolved, halfhearted

(1) permanently **neutral** country, (2) **neutral** colors

A legislative speaker should always be **neutral**.

entirely

adv. completely

synonym: completely, fully, totally

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

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

hydrogen

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

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

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

ammonia

n. a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives

(1) **ammonia** water, (2) inhale **ammonia** fumes

The advent of **ammonia** fertilizers markedly increased agricultural productivity.

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym: artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

Synthetic diamonds play an essential role as machine tool blades.

jet

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

synonym: plane, aircraft, flier

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

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

rough

adj. not quite exact or correct; having or caused by an irregular surface

synonym: inelegant, coarse, barbarian

(1) **rough** and tough, (2) **rough** estimation

The vehicle bounced along the **rough** mountain road.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

confident

adj. feeling sure about your abilities or qualities or having trust in people, plans, or the future

synonym: certain, sure, convinced

(1) feel **confident**, (2) a **confident** remark

I'm not **confident** in our victory.

minimize

v. to make something, especially something bad, small or less serious

synonym: diminish, mitigate, belittle

(1) **minimize** a loss, (2) way to **minimize** conflict

I bought a gadget before my trip to help **minimize** stress during the flight.

aim

v. to try or plan to get or achieve something

synonym: aspire, direct, target

(1) **aim** at a specific target, (2) **aim** to be a nurse

We **aim** for an overseas expansion.

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.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym: air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

removal

n. the act of taking something away or off from a particular place

synonym: extraction, elimination, eradication

(1) dental tartar **removal**, (2) **removal** truck

The **removal** of the statue caused much controversy in the community.

maximum

adj. the largest or greatest amount or value attainable or attained

synonym: peak, top, highest

(1) **maximum** limit, (2) the **maximum** speed

The **maximum** temperature recorded this summer was higher than average.

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

synonym: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

eventually

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

synonym: finally, someday, ultimately

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

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

stable

adj. firm and steady; not easily moved, disturbed, or changed

synonym: sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

array

n. a large group or collection of things or people, especially one that is impressive or attractive

synonym: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

fan

n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

synonym: lover, devotee, blade

(1) a film **fan**, (2) engine cooling **fan**

I'm a big **fan** of French food.

filter

n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

synonym: strainer

(1) gas **filter**, (2) clogged **filter**

Ozone is a primary **filter** to protect Earth's surface from harmful UV rays.

temperature

n. the degree of hotness or coldness of a thing or place

synonym: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

bonus

n. an extra amount of money that is added to payment as a present or reward for good work

synonym: extra, perk, compensation

(1) **bonus** appraisal, (2) annual **bonus**

The committee abolished the controversial **bonus** system.

transition

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

synonym: change, growth, shift

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

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

sequester

v. to take temporary possession of someone's property until a debt is paid.

synonym: isolate, set apart, segregate

(1) **sequester** ten percent of the annual carbon emissions,

(2) **sequester** myself from the world

He approved their requests to **sequester** the jury.

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.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

roll

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

synonym: spin, swirl, wheel

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

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

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.

desalination

n. the process of removing salt, especially from seawater
(1) shut down a **desalination** plant, (2) water **desalination**
He worked on improving the equipment using the freeze-**desalination** method.

strengthen

v. to become stronger or more effective; to make someone or something stronger or more effective
synonym: reinforce, harden, boost
(1) **strengthen** the immune system, (2) **strengthen** a border patrol
Difficulties **strengthen** the mind, as labor does the body.

medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine
synonym: health, disease, treatment
(1) a **medical** opinion, (2) temporary **medical** treatment
The **medical** team worked quickly to save the patient's life.

chain

n. a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
synonym: series, string, link
(1) **chain** reaction, (2) supply **chain**
The **chain** on my bike broke, leaving me stranded.

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.

discard

v. to throw something away or get rid of something that you no longer wanted or need

synonym : throw away, reject, abandon

(1) **discard** old beliefs, (2) **discard** the downloaded data

He **discarded** the old torn shirt and bought a new one.

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.

tinker

v. to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way

synonym : fiddle, play, fix

(1) **tinker** with the bill, (2) **tinker** with the settings

He spent the afternoon **tinkering** with his car engine.

argument

n. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute

synonym : debate, discourse, discussion

(1) a blazing **argument**, (2) the **argument** against capital punishment

The **argument** between the two sides over the proposed policy was heated.

unhelpful

adj. not providing assistance or support; not contributing to the solution of a problem or the achievement of a goal

synonym : useless, ineffective, detrimental

(1) **unhelpful** comments, (2) **unhelpful** for people

His **unhelpful** attitude made it difficult for the team to complete the project on time.

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.

geothermal

adj. relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth

synonym: underground, thermal, subterranean

(1) **geothermal** activity, (2) **geothermal** drilling

The town is exploring using **geothermal** energy to power its homes and buildings.

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.

comparable

adj. able to link the similarities or differences with others; similar or equivalent to someone or something

synonym: equal, commensurate, similar

(1) **comparable** sales, (2) a **comparable** amount of energy

Humans and apes have **comparable** anatomical structures.

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.

boom

n. a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound

synonym: roaring, prosperity, boost

(1) **boom** in sales, (2) a sonic **boom**

The high-technology industry is enjoying a **boom**.

wary

adj. cautious or distrustful, especially because of a previous bad experience

synonym: cautious, suspicious, leery

(1) a **wary** statesman, (2) **wary** of marriage

She was **wary** of meeting new people because of past experiences.

pollute

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym: contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

Session 2: Spelling

1. ca___n dioxide *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
2. w__t per square meter *n.* a standard unit for measuring electrical power
3. lon_____ge weather forecast *adj.* relating to or extending over a long distance, period of time, or range of possibilities
4. in st___e condition *adj.* firm and steady; not easily moved, disturbed, or changed
5. geo_____al activity *adj.* relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth
6. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
7. in st___t secrecy *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
8. annual bo__s *n.* an extra amount of money that is added to payment as a present or reward for good work

ANSWERS: 1. carbon, 2. watt, 3. long-range, 4. stable, 5. geothermal, 6. develop, 7. strict, 8. bonus

9. ca___n 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
10. back f_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
11. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
12. he was en_____ly to blame *adv.* completely
13. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
14. private j_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
15. notable in_____ce *n.* a particular example or single occurrence of something
16. se_____er myself from the world *v.* to take temporary possession of someone's property until a debt is paid.
17. hy__o power *n.* a prefix denoting water or relating to water, usually used in scientific or technical terminology
18. am_____a water *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
19. l__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

ANSWERS: 9. carbon, 10. fin, 11. roll, 12. entirely, 13. equip, 14. jet, 15. instance, 16. sequester, 17. hydro, 18. ammonia, 19. lift

20. nu____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
21. the cycle of po____y *n.* the condition of being extremely poor
22. bi____l production *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
23. achieve am____us goals *adj.* having a great desire to attain achievement, power, or wealth
24. shut down a des____ion plant *n.* the process of removing salt, especially from seawater
25. a cold cl____e *n.* the weather in a particular location averaged over some long period
26. commercial j_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
27. un____ul comments *adj.* not providing assistance or support; not contributing to the solution of a problem or the achievement of a goal
28. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
29. b__m in sales *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound

ANSWERS: 20. nuclear, 21. poverty, 22. biofuel, 23. ambitious, 24. desalination, 25. climate, 26. jet, 27. unhelpful, 28. rely, 29. boom

30. carbon dioxide in the atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
31. a film f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
32. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
33. ti___r with the bill *v.* to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
34. com_____le sales *adj.* able to link the similarities or differences with others; similar or equivalent to someone or something
35. industrial ex_____on *n.* the process of becoming larger or more extensive, or the result of this process
36. a sonic b__m *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
37. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
38. de_____le topic *adj.* open to discussion or argument; capable of being disputed or doubted
39. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
40. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something

ANSWERS: 30. atmosphere, 31. fan, 32. estimate, 33. tinker, 34. comparable, 35. expansion, 36. boom, 37. advance, 38. debatable, 39. greenhouse, 40. estimate

41. a_m to be a nurse *v.* to try or plan to get or achieve something
42. a two-dimensional ar__y *n.* a large group or collection of things or people, especially one that is impressive or attractive
43. an ar__y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive
44. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
45. principles of sus_____le development *adj.* able to continue or be continued for a long time
46. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
47. ac_____e 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
48. flexible mi_____t *n.* the established set of attitudes or fixed ideas held by someone
49. he is opt_____ic *adj.* hoping or expecting that good thing will happen or something will be successful
50. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
51. health po___y *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

ANSWERS: 41. aim, 42. array, 43. array, 44. synthetic, 45. sustainable, 46. medical, 47. achieve, 48. mindset, 49. optimistic, 50. medical, 51. policy

52. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
53. have a st___e job *adj.* firm and steady; not easily moved, disturbed, or changed
54. sy_____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
55. po_____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
56. dec_____ze its energy system *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
57. en_____e a contract *v.* to make sure that people obey a particular law, rule, or situation
58. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
59. el_____te sexual barriers *v.* to remove or get rid of someone or something
60. foreign po___y *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
61. the gen_____on of electricity *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity

ANSWERS: 52. dramatically, 53. stable, 54. synthetic, 55. pollute, 56. decarbonize, 57. enforce, 58. fossil, 59. eliminate, 60. policy, 61. generation

62. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
63. bi_____gy potential *n.* energy derived from biomass materials, such as plants or organic waste, that can be converted into a usable form of heat, electricity, or fuel
64. an Imperial ma_____e *n.* an official or authoritative instruction or command; a commission or authority to carry out a particular task
65. a_m at a specific target *v.* to try or plan to get or achieve something
66. el_____te contestants *v.* to remove or get rid of someone or something
67. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
68. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
69. ad_____e the technology *v.* to go or move forward; to develop in a positive way
70. ro__h and tough *adj.* not quite exact or correct; having or caused by an irregular surface
71. m__e acquaintance *adj.* used to emphasize how insignificant or minor someone or something is
72. de_____st a mountain *v.* to clear an area of forest or trees
73. a com_____le amount of energy *adj.* able to link the similarities or differences with others; similar or equivalent to someone or something

ANSWERS: 62. absolutely, 63. bioenergy, 64. mandate, 65. aim, 66. eliminate, 67. equip, 68. industrial, 69. advance, 70. rough, 71. mere, 72. deforest, 73. comparable

74. un_____ul for people *adj.* not providing assistance or support; not contributing to the solution of a problem or the achievement of a goal
75. imp_____ly developed *adv.* in a faulty or incomplete way
76. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
77. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
78. m__e incident *adj.* used to emphasize how insignificant or minor someone or something is
79. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
80. nice fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you
81. the mi_____t in an education system *n.* the established set of attitudes or fixed ideas held by someone
82. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
83. organic agr_____re *n.* the practice or science of cultivating the land or raising stock
84. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
85. ge_____te more electricity *v.* to produce or create something; to make offspring by reproduction
86. intensive agr_____re *n.* the practice or science of cultivating the land or raising stock
87. colorless li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

ANSWERS: 74. unhelpful, 75. imperfectly, 76. synthesize, 77. government, 78. mere, 79. roughly, 80. fellow, 81. mindset, 82. roughly, 83. agriculture, 84. commerce, 85. generate, 86. agriculture, 87. liquid

88. gas fi___r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
89. hold di_____se with him *n.* any form of communication in speech or writing
90. acc_____te these needs *v.* to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose
91. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
92. emissions of gre_____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
93. nec_____ly true *adv.* in an essential manner; in such a way as could not be otherwise
94. a ne_____ve number *adj.* having the quality of something bad or harmful; expressing refusal
95. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
96. do_____nt force *adj.* more important, influential, or easy to notice than anything else of the same type
97. achieve a do_____nt share *adj.* more important, influential, or easy to notice than anything else of the same type
98. way to mi_____ze conflict *v.* to make something, especially something bad, small or less serious

ANSWERS: 88. filter, 89. discourse, 90. accommodate, 91. engineer, 92. greenhouse, 93. necessarily, 94. negative, 95. generation, 96. dominant, 97. dominant, 98. minimize

99. ge____te \$100 a month
v. to produce or create something; to make offspring by reproduction
100. eve_____ly become obsolete
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
101. ca_____e customers' hearts
v. to catch a person or an animal and confine them in an area which they cannot escape
102. di_____d the downloaded data
v. to throw something away or get rid of something that you no longer wanted or need
103. hy_____en gas
n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
104. bo__s appraisal
n. an extra amount of money that is added to payment as a present or reward for good work
105. de_____p a strategy
v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
106. with an am_____us eye
adj. having a great desire to attain achievement, power, or wealth
107. have a ne_____ve effect
adj. having the quality of something bad or harmful; expressing refusal
108. biomass f__l
n. a substance that is typically burned to generate heat or energy

ANSWERS: 99. generate, 100. eventually, 101. capture, 102. discard, 103. hydrogen, 104. bonus, 105. develop, 106. ambitious, 107. negative, 108. fuel

109. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
110. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
111. ro__h estimation *adj.* not quite exact or correct; having or caused by an irregular surface
112. water des_____ion *n.* the process of removing salt, especially from seawater
113. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
114. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
115. man_____re a product *v.* to make goods in large numbers, usually in a factory using machines
116. heavy hy_____en *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
117. a co_____nt remark *adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
118. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 109. efficient, 110. climate, 111. rough, 112. desalination, 113. trillion, 114. temperature, 115. manufacture, 116. hydrogen, 117. confident, 118. process

119. ind_____al alcohol *adj.* of or relating to or resulting from industry
120. engine cooling f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
121. ec_____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
122. se_____er ten percent of the annual carbon emissions *v.* to take temporary possession of someone's property until a debt is paid.
123. prove unr_____le *adj.* not able to be trusted or depended on
124. ensure a smooth tra_____on *n.* the process or period of changing from one state or circumstance to another
125. gov_____nt funding *n.* the group of people with authority to control a country or state
126. 30-w__t light bulb *n.* a standard unit for measuring electrical power
127. bi_____gy plant *n.* energy derived from biomass materials, such as plants or organic waste, that can be converted into a usable form of heat, electricity, or fuel
128. str_____en the immune system *v.* to become stronger or more effective; to make someone or something stronger or more effective

ANSWERS: 119. industrial, 120. fan, 121. economy, 122. sequester, 123. unreliable, 124. transition, 125. government, 126. watt, 127. bioenergy, 128. strengthen

129. global em_____ons of greenhouse gases	<i>n.</i> the act of production or sending out gas, heat, light, etc.
130. geo_____al drilling	<i>adj.</i> relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth
131. bi_____s energy	<i>n.</i> the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
132. ma_____e obligation	<i>n.</i> an official or authoritative instruction or command; a commission or authority to carry out a particular task
133. as___e a lousy attitude to his boss	<i>v.</i> to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
134. w__y of marriage	<i>adj.</i> cautious or distrustful, especially because of a previous bad experience
135. mu_____ly about hundredfold	<i>v.</i> to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
136. the ma_____m speed	<i>adj.</i> the largest or greatest amount or value attainable or attained
137. imp_____ly known disease	<i>adv.</i> in a faulty or incomplete way
138. tra_____on phase	<i>n.</i> the process or period of changing from one state or circumstance to another
139. sus_____le alternative fuel	<i>adj.</i> able to continue or be continued for a long time

ANSWERS: 129. emission, 130. geothermal, 131. biomass, 132. mandate, 133. assume, 134. wary, 135. multiply, 136. maximum, 137. imperfectly, 138. transition, 139. sustainable

140. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
141. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
142. ch___n reaction *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
143. man_____re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
144. mi_____ze a loss *v.* to make something, especially something bad, small or less serious
145. re_____e one word with another *v.* to take the place of something
146. ma_____e amounts *adj.* enormous amount; very heavy and solid
147. live an ab_____nt life *adj.* present in great quantity
148. ac_____e 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
149. str_____en a border patrol *v.* to become stronger or more effective; to make someone or something stronger or more effective
150. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
151. wa___e fees *v.* to give up or relinquish a claim or right voluntarily; to refrain from insisting on or enforcing a requirement or rule

ANSWERS: 140. fossil, 141. addition, 142. chain, 143. manufacture, 144. minimize, 145. replace, 146. massive, 147. abundant, 148. achieve, 149. strengthen, 150. electrify, 151. waive

152. a convivial atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
153. better fuel eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
154. 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
155. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
156. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
157. the ar_____nt against capital punishment *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
158. ec_____y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
159. unr_____le source of information *adj.* not able to be trusted or depended on
160. de_____st millions of acres *v.* to clear an area of forest or trees
161. di_____d old beliefs *v.* to throw something away or get rid of something that you no longer wanted or need

ANSWERS: 152. atmosphere, 153. efficiency, 154. fin, 155. efficiency, 156. eventually, 157. argument, 158. economy, 159. unreliable, 160. deforest, 161. discard

162. bi_____l technology *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
163. pr_____al English *adj.* of or connected with actual use or real situation rather than with theory and ideas
164. syn_____ze information *v.* to combine a substance to make a more complex product or compound
165. ti____r with the settings *v.* to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
166. as____e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
167. ex_____on project *n.* the process of becoming larger or more extensive, or the result of this process
168. not nec_____ly a problem *adv.* in an essential manner; in such a way as could not be otherwise
169. abs_____ly against *adv.* without restriction or limitation; completely or utterly
170. ne_____l colors *adj.* not helping or assisting either side in a conflict, argument, etc.
171. inhale am_____a fumes *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
172. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 162. biofuel, 163. practical, 164. synthesize, 165. tinker, 166. assume, 167. expansion, 168. necessarily, 169. absolutely, 170. neutral, 171. ammonia, 172. capture

173. re_____l truck *n.* the act of taking something away or off from a particular place
174. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
175. he confessed dra_____lly *adv.* in a very impressive manner
176. re_____e a phone *v.* to take the place of something
177. ind_____ized textile production *v.* to organize the production of something into an industry
178. hy__o turbine *n.* a prefix denoting water or relating to water, usually used in scientific or technical terminology
179. en_____e the law *v.* to make sure that people obey a particular law, rule, or situation
180. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
181. gain pr_____al experience *adj.* of or connected with actual use or real situation rather than with theory and ideas
182. dec_____ze their manufacturing process *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
183. draw a pro_____on chart *n.* the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something
184. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 173. removal, 174. trillion, 175. dramatically, 176. replace, 177. industrialize, 178. hydro, 179. enforce, 180. temperature, 181. practical, 182. decarbonize, 183. projection, 184. emission

185. population de_____y *n.* the quality of compactness of a substance
186. mu_____ly 5 and 6 *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
187. permanently ne_____l country *adj.* not helping or assisting either side in a conflict, argument, etc.
188. clogged fi_____r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
189. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
190. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
191. a blazing ar_____nt *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
192. wa__e the claim *v.* to give up or relinquish a claim or right voluntarily; to refrain from insisting on or enforcing a requirement or rule
193. use of nu_____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

ANSWERS: 185. density, 186. multiply, 187. neutral, 188. filter, 189. lift, 190. efficient, 191. argument, 192. waive, 193. nuclear

194. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
195. mo__l burden *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
196. the validity of the theory is de_____le *adj.* open to discussion or argument; capable of being disputed or doubted
197. acc_____te a person with money *v.* to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose
198. junior fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you
199. an ab_____nt supply of water *adj.* present in great quantity
200. st___t compliance regime *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
201. en_____ly satisfied with the meal *adv.* completely
202. ma_____e stars *adj.* enormous amount; very heavy and solid
203. po_____y alleviation *n.* the condition of being extremely poor
204. opt_____ic outlook *adj.* hoping or expecting that good thing will happen or something will be successful

ANSWERS: 194. process, 195. moral, 196. debatable, 197. accommodate, 198. fellow, 199. abundant, 200. strict, 201. entirely, 202. massive, 203. poverty, 204. optimistic

205. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
206. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
207. a w__y statesman *adj.* cautious or distrustful, especially because of a previous bad experience
208. lon_____ge radar *adj.* relating to or extending over a long distance, period of time, or range of possibilities
209. a di_____se about art *n.* any form of communication in speech or writing
210. for in_____ce *n.* a particular example or single occurrence of something
211. higher pixel de_____y *n.* the quality of compactness of a substance
212. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
213. ind_____ize service *v.* to organize the production of something into an industry
214. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
215. pro_____on mapping *n.* the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something

ANSWERS: 205. rely, 206. engineer, 207. wary, 208. long-range, 209. discourse, 210. instance, 211. density, 212. commerce, 213. industrialize, 214. addition, 215. projection

216. hazardous li___d	<i>n.</i> a substance, such as water or oil that flows freely and is neither a solid nor a gas
217. ma_____m limit	<i>adj.</i> the largest or greatest amount or value attainable or attained
218. fuel bi_____s	<i>n.</i> the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
219. mo__l hazard	<i>adj.</i> concerned with the principles of what is right and wrong, fairness, honesty, etc.
220. el_____fy the audience	<i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
221. feel co_____nt	<i>adj.</i> feeling sure about your abilities or qualities or having trust in people, plans, or the future
222. po_____e the air	<i>v.</i> to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
223. smokeless f__l	<i>n.</i> a substance that is typically burned to generate heat or energy
224. supply ch__n	<i>n.</i> a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
225. dental tartar re_____l	<i>n.</i> the act of taking something away or off from a particular place
226. r__l down his cheeks	<i>v.</i> to move in a particular direction by turning over and over or from side to side

ANSWERS: 216. liquid, 217. maximum, 218. biomass, 219. moral, 220. electrify, 221. confident, 222. pollute, 223. fuel, 224. chain, 225. removal, 226. roll

ANSWERS:

Session 3: Fill in the Blanks

1. Most executives were _____ about future business conditions.
adj. hoping or expecting that good thing will happen or something will be successful
2. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
3. I will work hard to _____ my goals and realize my dreams.
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
4. These articles cite five _____ of climate change.
n. a particular example or single occurrence of something
5. Their company has been in business for a short time but has _____ goals.
adj. having a great desire to attain achievement, power, or wealth
6. A legislative speaker should always be _____.
adj. not helping or assisting either side in a conflict, argument, etc.
7. The _____ plant generates electricity by harnessing the power of water.
n. a prefix denoting water or relating to water, usually used in scientific or technical terminology
8. The customer on the Internet has to choose one from a formidable _____ of products.
n. a large group or collection of things or people, especially one that is impressive or attractive

ANSWERS: 1. optimistic, 2. Climate, 3. achieve, 4. instances, 5. ambitious, 6. neutral, 7. hydro, 8. array

9. Life expectancy has grown _____ this century.

adv. in a very impressive manner

10. Governments make rules, and police _____ them.

v. to make sure that people obey a particular law, rule, or situation

11. He is the kind of _____ who only works for his success.

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

12. I am _____ opposed to his idea because of morality.

adv. without restriction or limitation; completely or utterly

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

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

14. Ethics deals with _____ conduct.

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

15. The government should do more to support environmentally _____ agriculture.

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

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

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

17. Do you know the _____ of the population in Hong Kong?

n. the quality of compactness of a substance

ANSWERS: 9. dramatically, 10. enforce, 11. fellow, 12. absolutely, 13. rolled, 14. moral, 15. sustainable, 16. equipped, 17. density

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

- 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

19. The country has _____ oil and natural gas resources.

- adj.* present in great quantity

20. The _____ effect is a phenomenon that happens naturally.

- n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

21. The new washing machine is much more _____ than the old one.

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

22. Our company must continue to strive for greater _____.

- n.* the state or quality of doing something well with no waste of input such as time or money

23. We can _____ this possibility from those consumptions.

- v.* to remove or get rid of someone or something

24. I'm not _____ in our victory.

- adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future

ANSWERS: 18. policy, 19. abundant, 20. greenhouse, 21. efficient, 22. efficiency, 23. eliminate, 24. confident

25. Five miles is _____ similar to eight kilometers.
adv. approximately but not precisely; with a violent manner
26. The _____ on my bike broke, leaving me stranded.
n. a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
27. The _____ flew over the ocean at high speed, reaching its destination in hours.
n. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
28. The _____ team worked quickly to save the patient's life.
adj. relating to the treatment of illness or injuries; relating to the practice of medicine
29. The product developed through years of research continues to _____ the market.
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
30. This company has invested heavily in Internet _____.
n. the activity of buying and selling things, especially on a large scale
31. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
32. The spaceship began to burn up as it approached the Earth's _____.
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 25. roughly, 26. chain, 27. jet, 28. medical, 29. electrify, 30. commerce, 31. engineer, 32. atmosphere

33. The vehicle bounced along the _____ mountain road.

adj. not quite exact or correct; having or caused by an irregular surface

34. He _____ the old torn shirt and bought a new one.

v. to throw something away or get rid of something that you no longer wanted or need

35. The committee abolished the controversial _____ system.

n. an extra amount of money that is added to payment as a present or reward for good work

36. The corporation _____ dominated the entire tobacco business.

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

37. One light year is nearly 6 _____ miles.

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

38. _____ diamonds play an essential role as machine tool blades.

adj. made by combining chemical substances as opposed to being naturally occurring

39. Cities around the world set records for highest _____ this summer.

n. the degree of hotness or coldness of a thing or place

40. This large SUV _____ eight people.

v. to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose

ANSWERS: 33. rough, 34. discarded, 35. bonus, 36. eventually, 37. trillion, 38. Synthetic, 39. temperatures, 40. accommodates

41. She was _____ of meeting new people because of past experiences.
adj. cautious or distrustful, especially because of a previous bad experience
42. Trees absorb _____ dioxide and give off oxygen.
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
43. The _____ and the oxygen react and then form water.
n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
44. He lost the election by _____ votes.
adj. used to emphasize how insignificant or minor someone or something is
45. This accident was something that happened _____.
adv. in an essential manner; in such a way as could not be otherwise
46. The weather forecast includes a _____ of the high and low temperatures for the next week.
n. the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something
47. The _____ given to the new government is to improve the economy.
n. an official or authoritative instruction or command; a commission or authority to carry out a particular task
48. The company is undergoing an _____ opening new locations in several states.
n. the process of becoming larger or more extensive, or the result of this process

ANSWERS: 41. wary, 42. carbon, 43. hydrogen, 44. mere, 45. necessarily, 46. projection, 47. mandate, 48. expansion,

49. His _____ attitude made it difficult for the team to complete the project on time.

adj. not providing assistance or support; not contributing to the solution of a problem or the achievement of a goal

50. Ozone is a primary _____ to protect Earth's surface from harmful UV rays.

n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

51. Sweet _____ makes short days and nights.

n. any form of communication in speech or writing

52. The _____ temperature recorded this summer was higher than average.

adj. the largest or greatest amount or value attainable or attained

53. I bought a gadget before my trip to help _____ stress during the flight.

v. to make something, especially something bad, small or less serious

54. The town is exploring using _____ energy to power its homes and buildings.

adj. relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth

55. I'm a big ___ of French food.

n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

56. It was the _____ of a dinosaur tooth.

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

ANSWERS: 49. unhelpful, 50. filter, 51. discourse, 52. maximum, 53. minimize, 54. geothermal, 55. fan, 56. fossil

57. The following example _____ that the capacity of each battery is the same.
- v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
58. Babies heavily _____ on others for food.
- v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
59. We have to seek methods to _____ its fossil fuel economy.
- v. to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
60. The younger _____ has different values and beliefs than the older one.
- n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity
61. He created an _____ shaped torso.
- adv. in a faulty or incomplete way
62. Too _____ a regulation for the private sector will stifle innovation.
- adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
63. The drought _____ the prices of grain globally.
- v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position
64. Relations between the two countries have been relatively _____ due to the summit meeting.
- adj. firm and steady; not easily moved, disturbed, or changed

ANSWERS: 57. assumes, 58. rely, 59. decarbonize, 60. generation, 61. imperfectly, 62. strict, 63. lifted, 64. stable

65. The high-technology industry is enjoying a _____.
n. a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
66. The spider can _____ multiple different silk proteins.
v. to combine a substance to make a more complex product or compound
67. The _____ scarcity most severely impacted the manufacturing sector
n. a substance that is typically burned to generate heat or energy
68. Many studies have investigated the relationship between _____ and academic achievement.
n. the condition of being extremely poor
69. Difficulties _____ the mind, as labor does the body.
v. to become stronger or more effective; to make someone or something stronger or more effective
70. Many countries have now agreed to a treaty banning the use of _____ weapons.
adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
71. Her concept is highly _____ and helpful.
adj. of or connected with actual use or real situation rather than with theory and ideas
72. The _____ in a forest can be measured by collecting and weighing all living plants within a specific area.
n. the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms

ANSWERS: 65. boom, 66. synthesize, 67. fuel, 68. poverty, 69. strengthen, 70. nuclear, 71. practical, 72. biomass

73. _____ a number by itself twice.

- v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

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

- adj.* of or relating to or resulting from industry

75. Her company soon won a _____ market share.

- adj.* more important, influential, or easy to notice than anything else of the same type

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

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

77. Countries whose goal is economic development often focus on fostering an entrepreneurial _____ in each individual.

- n.* the established set of attitudes or fixed ideas held by someone

78. The sponge takes up the _____ well.

- n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

79. The recent economic downturn has resulted in _____ layoffs.

- adj.* enormous amount; very heavy and solid

80. The company planned to _____ a large rainforest area to make way for a new plantation.

- v.* to clear an area of forest or trees

ANSWERS: 73. Multiply, 74. Industrial, 75. dominant, 76. process, 77. mindset, 78. liquid, 79. massive, 80. deforest

81. We should do our best not to _____ the environment.

- v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

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

- adv.* completely

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

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

84. By incorrect assumption, statistics can be notoriously _____.

- adj.* not able to be trusted or depended on

85. Several hectares of land are needed to generate more than 1-mega_____ solar power.

- n.* a standard unit for measuring electrical power

86. The _____ of the country is struggling due to the recent political instability.

- n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

87. The movie has received almost universally _____ criticism.

- adj.* having the quality of something bad or harmful; expressing refusal

88. There are five distinct _____ at five unique wavelengths.

- n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 81. pollute, 82. entirely, 83. generate, 84. unreliable, 85. watt, 86. economy, 87. negative, 88. emissions

89. He spent the afternoon _____ with his car engine.
v. to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
90. The advent of _____ fertilizers markedly increased agricultural productivity.
n. a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
91. Whether or not extraterrestrial life exists is still _____ among scientists.
adj. open to discussion or argument; capable of being disputed or doubted
92. In _____ private corporations provide healthcare services.
n. the act or process of adding something to something else; the process of adding numbers
93. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
94. The nations of South East Asia will quickly _____ and catch up with the West.
v. to organize the production of something into an industry
95. He worked on improving the equipment using the freeze-_____ method.
n. the process of removing salt, especially from seawater
96. Humans and apes have _____ anatomical structures.
adj. able to link the similarities or differences with others; similar or equivalent to someone or something

ANSWERS: 89. tinkering, 90. ammonia, 91. debatable, 92. addition, 93. government, 94. industrialize, 95. desalination, 96. comparable

97. He approved their requests to _____ the jury.

- v. to take temporary possession of someone's property until a debt is paid.

98. We must _____ a new system to streamline our workflow and increase efficiency.

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

99. The homeowners decided to _____ the inspection fee for the interested buyers to make the sale smoother.

- v. to give up or relinquish a claim or right voluntarily; to refrain from insisting on or enforcing a requirement or rule

100. The military uses _____ missiles to hit targets from far away.

- adj. relating to or extending over a long distance, period of time, or range of possibilities

101. We _____ the season's total trade deficit at \$50 billion.

- v. to guess or calculate the cost, size, value, etc. of something

102. I was able to _____ the moment on film.

- v. to catch a person or an animal and confine them in an area which they cannot escape

103. _____ production can be achieved through various methods, such as anaerobic digestion and combustion.

- n. energy derived from biomass materials, such as plants or organic waste, that can be converted into a usable form of heat, electricity, or fuel

ANSWERS: 97. sequester, 98. develop, 99. waive, 100. long-range, 101. estimated, 102. capture, 103. Bioenergy

104. The _____ of the statue caused much controversy in the community.
n. the act of taking something away or off from a particular place
105. The _____ between the two sides over the proposed policy was heated.
n. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
106. _____ is the foundation of our economy.
n. the practice or science of cultivating the land or raising stock
107. The airplane was powered by a _____ made from plant-based materials.
n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
108. We ___ for an overseas expansion.
v. to try or plan to get or achieve something
109. The nation's healthcare system is in _____ at the moment.
n. the process or period of changing from one state or circumstance to another
110. The shark's powerful _____ allowed it to swim at high speeds.
n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
111. The majority of synthetic vitamins are _____ from oil.
v. to make goods in large numbers, usually in a factory using machines
112. Eventually, the new design will _____ all older models.
v. to take the place of something

ANSWERS: 104. removal, 105. argument, 106. Agriculture, 107. biofuel, 108. aim, 109. transition, 110. fins, 111. manufactured, 112. replace

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

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

ANSWERS: 113. advance