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Vocabulary Builder Reference from...

Charles C. Mann: How will we survive when the population hits 10 billion? | TED Talk https://www.ted.com/talks/charles_c_mann_how_will_we_survive_when_the_population_hits_10_billion



All Words

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Session 1: Word List

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adj. sexually attracted to people of one's own sex

synonym: gay, same-sex attracted

(1) homosexual rights, (2) homosexual marriage

The law was repealed to protect the rights of **homosexual** citizens.

sapiens

n. the species of modern humans, Homo sapiens

synonym: human, Homo sapiens, humankind

(1) fossil Homo sapiens, (2) sapiens evolution

Homo sapiens is the scientific name for modern humans.

typical

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

synonym: characteristic, usual, distinctive

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

This artwork is **typical** of her work.

well-being

n. the state of being happy and healthy and prosperoussynonym: health, welfare, happiness

We are responsible for the care and **well-being** of all our

(1) the **well-being** of a nation, (2) a sense of **well-being**

employees.

longevity

n. the property of being long-lived; significant duration of service

synonym: seniority, endurance

(1) longevity crisis, (2) longevity genes

He is proud of the **longevity** of the business.

calorie

- unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
- (1) **calorie** calculation, (2) reduce my **calorie** intake It would be best if you burned off **calories** through vigorous exercise.

graph

n. a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

synonym: chart, diagram, figure

(1) graph theory, (2) a graph sample

This bar **graph** shows sales over the past five years.

skit

 a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance

synonym: sketch, parody, routine

(1) comedy skit, (2) political skit

The comedy group performed a hilarious **skit** about life in quarantine.

millennium

- a span of 1000 years, or the 1000th anniversary (plural: millennia)
- (1) past **millennium**, (2) **millennium** bottle of wine Our world is in the third **millennium**.

rocket

 a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel

or as a weapon

synonym: projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel The **rocket** launch platform is visible from this hill.

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.

consumption

- n. the amount used or eaten; the act of using up a resource such as energy, food, or materialssynonym: usage, uptake, utilization
- (1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

photosynthesis

- n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
- (1) oxygenic **photosynthesis**, (2) process of **photosynthesis**

In **photosynthesis**, plants use carbon dioxide to feed themselves.

biology

- the scientific study of life and the natural processes of living things
- (1) evolutionary **biology**, (2) cell and molecular **biology** In junior high school, we had to dissect a frog in **biology** class.

outbreak

 a sudden start of something, usually a disease or something dangerous or unpleasant

synonym:

eruption, outburst, explosion

(1) infectious disease **outbreaks**, (2) the **outbreak** of hostilities

The government predicts an epidemic **outbreak** of multiple viruses, including coronaviruses and influenza.

excess

n. an amount or quantity beyond what is acceptable, expected, or reasonable

synonym: exuberance, glut, surplus

(1) lose **excess** weight, (2) an **excess** of exports The road of **excess** leads to the palace of wisdom.

bound

v. to move forward by leaps and bounds; to form the boundary of something

synonym: jump, bounce, leap

(1) **bounded** with delight, (2) **bound** up a staircase Canada **bounds** on the United States.

ordinary

 adj. not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

synonym: mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue The **ordinary** session of the Diet opened.

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.

define

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

synonym: characterize, depict, express

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

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

pest

 a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome

synonym: nuisance, problem, annoyance

(1) **pest** control, (2) a **pest** of bean plants

The gardener used natural methods to keep **pests** away from her plants.

parasite

 an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

synonym: hitchhiker, leech, saprophyte

(1) blood-sucking **parasite**, (2) **parasite** disease Tapeworms are **parasites** that live in the intestines of humans and animals.

expand

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

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output They hope to **expand** their business worldwide.

starfish

marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

synonym: sea star, echinoderm, asteroid

(1) starfish arm, (2) starfish habitat

The **starfish's** unique shape helps it to escape from predators quickly.

zebra

 a wild, horse-like mammal native to Africa with distinctive black-and-white stripes

synonym: striped horse, wild horse

(1) **zebra** pattern, (2) **zebra** crossing

The **zebra's** distinctive black and white stripes help it blend into its surroundings in the wild.

mussel

 a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible

synonym: clam, oyster, bivalve

(1) **mussel** shells, (2) **mussel** cultivation

I ordered the **mussels** in a white wine sauce for dinner.

spruce

n. a type of evergreen tree with short, stiff needles and small cones, often used as a decorative or ornamental tree; (adjective) neat, clean, or tidy in appearance

synonym: fir, pine, (verb) clean

(1) **spruce** appearance, (2) **spruce** forest

The **spruce** tree was the perfect addition to the family's Christmas decorations.

bud

a small swelling on a plant stem or twig containing an undeveloped shoot

synonym: shoot, sprout, germ

(1) pinch off a **bud**, (2) **bud** grafting

The flower was starting to show its **bud** and would soon bloom into a beautiful blossom.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym: detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity The old building **exploded** in a fiery inferno.

hundredfold

adj. a hundred times as great or as much

(1) rise nearly **hundredfold**, (2) improve **hundredfold**The development team reported two **hundredfold** increases in performance.

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.

protozoa

n. a diverse group of single-celled microorganisms that are classified as eukaryotic, meaning they have a distinct nucleus and other membrane-bound organelles found in a wide range of environments, from soil to water to the bodies of humans and animals

synonym: microorganism, unicellular organism, amoeba

(1) free-living protozoa, (2) protozoa species

The water in the lake was contaminated with high levels of **protozoa**, making it unsafe for swimming or drinking.

petri

- n. (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
- petri dish test, (2) bacteria on petri dishes
 Glass petri dishes are used to culture microorganisms.

nutrient

 any substance that is essential for the maintenance and growth of living things

synonym: food, vitamin

(1) **nutrient** medicine, (2) a **nutrient** for hair

They used fast-acting **nutrients** on the flowers in the flower beds.

goo

 a sticky or slimy substance, often of indeterminate or unknown composition; a slang term used to describe something messy, chaotic, or confusing

synonym: slime, muck, gunk

(1) oozing **goo**, (2) slime **goo**

The science experiment involved mixing various liquids to create a bubbling **goo**.

soil

- n. the top layer of Earth in which plants grow synonym: earth, ground, mud
- soils retentive of moisture, (2) parched soil
 soil moisture is another significant component controlling soil respiration.

environment

 the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**Every human is responsible for taking care of the Earth's **environment**.

constrain

v. to restrict or limit someone or something's freedom or ability to do something

synonym: restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow The political situation **constrained** the country's economic growth and foreign relations.

reproduce

 to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

synonym: duplicate, breed, imitate

- (1) **reproduce** the painting, (2) **reproduce** by myself By dividing and creating copies of themselves, bacteria **reproduce**.
- to hit or cause to hit something in a way that makes a loud noise

synonym: crash, hit, smash

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

drown

bang

v. to die or cause to die by being unable to breathe underwater

synonym: douse, drench, overwhelm

(1) **drown** in a bath, (2) I was **drowned** in work Floods have the potential to **drown** any subsurface animals easily.

starve

v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance

synonym: famish, hunger

(1) **starve** for a victory, (2) **starve** to death If you don't eat soon, you're going to **starve**.

viewpoint

 a way of thinking about a specific subject; a place from which something can be viewed, especially in an area of natural beauty

synonym: outlook, stance, perspective

(1) a scientific **viewpoint**, (2) aesthetic **viewpoint**. We looked at this issue from a different **viewpoint**.

obvious

adj. easy to see, discover or understand synonym: apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious** There are **obvious** differences between the two wine-producing regions.

doom

 death, destruction, or some other terrible situation that cannot be avoided

synonym: judgment, destiny, fate

(1) economic **doom**, (2) prophet of **doom**

Everyone was aware of the impending **doom** but was unable to prevent it.

odd

adj. strange or unexpected; not divisible by twosynonym: strange, bizarre, abnormal

(1) in an **odd** way, (2) **odd** behavior

His grandfather was an **odd** man.

chunk

n. a thick and solid mass or piece of somethingsynonym: block, lump, piece

(1) a **chunk** of money, (2) a tiny **chunk** of meat

The new start-up company carved out a large chunk of the

market within a year.

climate

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

synonym: atmosphere, weather, environment

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

journalist

 a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media

synonym: reporter, newsperson, press

(1) a China-based **journalist**, (2) **journalist** on a magazine Foreign TV crews and **journalists** can go as they please in various locations during the Olympics.

broad

adj. very wide; general

synonym: wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind

wizard

a person who is skilled in magic or a particular technical field

He accumulated wealth across a **broad** spectrum of assets.

synonym: sorcerer, magician, alchemist

(1) a wizard at chess, (2) financial wizard

He was a wizard at solving complex mathematical equations.

prophet

 a person believed to have an extraordinary power that can understand God's will.

synonym: oracle, visionary, seer

- (1) false **prophet**, (2) words of the **prophet**In this tribe, people believed the **prophet** would save them
- from many calamities.

techno

 a style of electronic dance music that originated in Detroit in the 1980s and is characterized by a repetitive, synthesized beat and minimalist sound effects; the use of advanced technology or techniques in a particular field

(1) techno beat, (2) techno festival

The club's playlist featured a lot of **techno** music.

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last prop.

dilemma

 a situation in which a difficult choice has to be made between two or more options, especially that are equally unfavorable ones

synonym: difficulty, plight, predicament

(1) chicken-and-egg **dilemma**, (2) be in a **dilemma**The choice between bureaucracy and adhocracy represents a common **dilemma**.

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.

govern

 to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

synonym: control, rule, preside

(1) a nation's right to **govern**, (2) **govern** a public enterprise The regulations **governing** medical malpractice claims are rigorous.

ecology

- n. the study of the relationships between living organisms, including humans, and their physical environment
- (1) science of **ecology**, (2) the **ecology** of the island Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

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.

transgress

v. to break the law or moral code; to go beyond or exceed the limits or boundaries of something

synonym: trespass, violate, infringe

(1) **transgress** boundaries, (2) **transgress** against the rules The company was fined for **transgressing** environmental regulations.

peril

n. serious and great danger or risk

synonym: hazard, danger, threat

(1) the peril of the sea, (2) environmental perilDue to hunger, the lives of the refugees were in peril.

conserve

 ν . to protect something, especially the natural environment or culture, from change, damage, or destruction

synonym: preserve, save, maintain

(1) means to **conserve** energy, (2) **conserve** coal resources

Children must be taught to **conserve** our natural environment.

envision

v. to imagine or expect what a situation will be like in the future

synonym: anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success We cannot **envision** her as President.

glitter

v. to shine with bright, sparkling light; to reflect light in a way that sparkles and shines

synonym: sparkle, glisten, shine

(1) **glitter** against her skin, (2) **glitter** in her eyes Her dress **glittered** in the sunlight as she walked down the street.

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.

megacity

- a huge city, especially with a population of more than 10 million people
- megacity pollution, (2) megacity project
 The fishing village grew rapidly into a bustling megacity.

surround

- v. to be all around something or somebody synonym: encircle, encompass, envelop
- (1) **surround** a town, (2) a stone wall **surrounds** the palace On three sides, mountains **surround** the settlement.

vast

adj. enormous in size, number, amount, or quantity *synonym*: expansive, extended, boundless

(1) vast majority, (2) vast desert

A **vast** audience viewed the broadcast.

tract

 a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body

synonym: region, area, tube

(1) a urinary **tract** infection, (2) a **tract** of virgin forest The farmer owns a large **tract** of land where he grows corn and soybeans.

untouched

adj. not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any waysynonym: untarnished, pristine, intact

(1) **untouched** wilderness, (2) **untouched** landscape
The abandoned house was **untouched** for years, with vines growing all over it.

economy

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.

transit

 the act or process of passing through or across a place or state; transportation

synonym: transportation, passage, transfer

(1) a transit visa, (2) mass transit

Public **transit** is an essential service for many cities.

atom

 the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

synonym: particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its

chemical characteristics.

materialize

- v. to become actual or real; to take physical form or shape;
 to appear or come into existence in a tangible way
 synonym: appear, manifest, emerge
- (1) **materialize** a cease-fire, (2) **materialize** in the dimness The expected profits from their new venture did not **materialize** as predicted.

capitalism

- an economic system based on the private ownership of the means of production and their operation for profit
- synonym: commercialism
- (1) advance **capitalism**, (2) under the umbrella of **capitalism**

Capitalism also guarantees intellectual property rights and thus promotes innovation.

exploit

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

synonym: use, abuse, control

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

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

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.

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.

footprint

- n. a mark of a foot, shoe, or animal's foot left on a surfacesynonym: footmark, imprint, impression
- (1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

productive

adj. resulting in or making a lot or a significant amount of something, especially something of value

synonym: efficient, fruitful, successful

(1) low **productive** capacity, (2) **productive** meeting
The new employee proved extremely **productive**, completing projects ahead of schedule.

genetically

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

synonym: hereditary, inherited, family-related

(1) **genetically** inherited traits, (2) **genetically** manipulated plant

The **genetically** modified crops were resistant to pests and required less water.

modify

 to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym: adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior We use adverbs to **modify** verbs and adjectives.

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**.

throughput

 the amount of material or information that can be processed by a system or organization over a given period of time

synonym: output, capacity

(1) workplace **throughput**, (2) network **throughput**The data center's **throughput** is impressive, allowing for quick processing of large amounts of data.

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.

aquifer

- an underground layer of rock, sand, or Earth that can take in and hold water
- (1) **aquifer** soil, (2) subsurface **aquifer**Some areas melt snow by harnessing heat from underground **aquifers**.

dense

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

synonym: heavy, thick, idiotic

nutrient- dense foods, (2) dense forests
 The entire mountain is covered in dense rainforest.

urbanize

 to make an area more urban in character or nature, often through the development and expansion of cities or towns

synonym: develop, modernize, city-build

(1) **urbanize** a region, (2) **urbanize** transportation systems The government plans to **urbanize** the rural area by building more housing units and improving transportation infrastructure.

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.

aspiration

 a strong desire to achieve something; the action or process of drawing breath

synonym: ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs He has an **aspiration** to become a doctor.

liberty

 the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

synonym: freedom, autonomy, independence

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

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

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.

agriculture

 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.

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.

erosion

n. the wearing away of rock, soil, or land by natural processes such as wind or water

synonym: corrosion, weathering, decay

(1) erosion control, (2) wind erosion

The **erosion** of the coastline has accelerated due to rising sea levels.

zone

 a specific area, region, or section that is marked off or defined in some way

synonym: area, region, territory

(1) time zone, (2) zone defense

He was reluctant to leave his comfort **zone** and try something new.

ruin

v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,

synonym: bankrupt, demolish, destroy

(1) ruin the plan, (2) ruin the reputation

He knocked over the red wine and ruined the tablecloth.

microbiome

 the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

synonym: flora

(1) skin **microbiome**, (2) have a diverse **microbiome**The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

giant

 adj. enormous; much bigger or more important than similar items usually are

synonym: big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

pile

a collection of objects positioned one on top of another;a large sum of something, such as money

synonym: accumulation, heap, stack

(1) a sand pile, (2) the height of a pile

After the party, they had to clean up **piles** of dirty dishes.

toxic

adj. of or relating to or caused by a poison; poisonous *synonym*: poisonous, harmful, contaminated

(1) **toxic** molecule, (2) exposure to **toxic** chemicals

This chemical compound is a thousand-fold more **toxic**.

dispose

v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

synonym: get rid of, arrange, set

(1) **dispose** battleships for a battle, (2) **dispose** of a used product

Generally speaking, the child is innately **disposed** to learn a language.

cesspit

 a pit or tank used for the disposal of human waste or sewage

synonym: latrine, sewer, privy

(1) **cesspit** cleaning, (2) stuck in the **cesspit**

The public **cesspit** was overflowing and causing a major health hazard.

corruption

 dishonest, harmful, or illegal behavior, especially of people in positions of power

synonym: depravity, bribery, degeneration

(1) **corruption** accusation, (2) federal **corruption** charges Rampant **corruption** led to a loss of trust in the government.

inequality

 the unfairness of a society in which some people have more opportunity, money, etc. than others; (mathematics) relation between two values when they are different

synonym: imbalance, prejudice, unfairness

(1) **inequality** in salary, (2) algebraic **inequality**There are several causes of economic **inequality** within societies.

pray

- v. to make a request or petition to a higher power,especially in the form of a respectful or humble requestsynonym: implore, supplicate, entreat
- (1) **pray** devoutly, (2) **pray** for rain
 She closed her eyes and **prayed** for strength to overcome difficult times.

interconnect

- v. to connect similar things
- *synonym*: interlink, complect, annex
- directly interconnect with those systems, (2) human activities interconnect with the environment
 Our system can now interconnect with other databases.

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.

agrarian

adj. relating to the cultivation of land or the raising of crops and animals; characterized by a society that relies on agriculture as its primary means of sustenance

synonym: agricultural, farming, rural

(1) agrarian society, (2) agrarian reform

Most of the people in the **agrarian** community work in agriculture.

corporate

adj. of or relating to a large company

synonym: business, commercial, organizational

(1) corporate right, (2) corporate environment

The **corporate** office has decided to lay off 10% of the workforce.

countryside

 rural areas or regions outside of cities and urban centers often characterized by open fields, farmland, forests, and countryside scenery

synonym: rural, rustic, pastoral

countryside scenery, (2) countryside lifestyle
 The small village in the countryside was perfect for a quiet

getaway.

vision

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

synonym: sight, image, concept

(1) a prodigious vision,(2) telescopic visionDriving is difficult for me because of my poor vision.

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.

disappear

v. to cease to exist or be visible

synonym: fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week They watched the train **disappear** into the distance.

background

 the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem synonym: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**The company's hiring criteria emphasize personality, not a person's **background**.

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.

rainfall

 the amount of rain that falls in a specific location at a particular moment

synonym: downpour, drizzle, rain

(1) the mean annual **rainfall**, (2) heavy **rainfall**. These plants thrive in hot climates with abundant **rainfall**.

reuse

- v. to use something again or more than once synonym: reprocess, recycle, rehash
- (1) **reuse** the materials, (2) **reuse** existing knowledge The supermarket encourages shoppers to **reuse** plastic bags.

recycle

v. to sort and collect things to process them and produce valuable materials that can be used again

synonym: reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

endlessly

adv. in a way that continues for a long time or seems to have no end or limit

synonym: ceaselessly, interminably, unceasingly

(1) repeat **endlessly**, (2) worry **endlessly** about our future The procession of demonstrators was **endlessly** continuing.

tub

 a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body

synonym: bathtub, bath, basin

(1) tub for foot soaking, (2) tub for washingI like to take a long soak in the tub after a long day.

cereal

 a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into porridge, or used to make breakfast cereals

synonym: grain, oatmeal, breakfast food

(1) cereal grain, (2) cold cerealI always start my morning with a bowl of cereal.

wheat

 a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc

synonym: grain, cereal

(1) harvesting **wheat**, (2) **wheat** crop The farmer grew **wheat** on his land.

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 of fresh water.

submit

v. to give or offer a document, proposal, etc. to a decision-maker for examination or consideration

synonym: hand in, present, propose

(1) agree to **submit** the bill, (2) **submit** an application Please **submit** the assignment to me.

restraint

 a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement

synonym: constraint, limitation, control

(1) physical **restraint**, (2) self- **restraint**It's important to practice **restraint** when it comes to spending money.

democracy

 a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

synonym: self-government, republic, commonwealth

(1) **democracy** advocate, (2) principles of **democracy Democracy** often entails inclusive capitalism as well.

regard

v. to think about or consider somebody or something in a specified way

synonym: consider, see, reckon

(1) **regard** him as an enemy, (2) **regard** the situation as unfortunate

Frugality and industry are still regarded as virtues.

recipe

 a set of instructions for preparing a dish, including the ingredients and the method of cooking

synonym: instructions, formula, method

(1) **recipe** book, (2) **recipe** collection

The **recipe** for the cake is passed down from generation to generation in her family.

regress

 to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate

synonym: retrovert, deteriorate, decline

(1) **regress** to childhood, (2) **regress** in skills

The team's failure to win games has caused them to **regress** in confidence.

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.

extend

- to broaden in scope, range, or area synonym: prolong, lengthen, advance
- (1) **extend** the warranty, (2) **extend** a line Her visit will **extend** from Monday to Friday.

shunt

to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

synonym: redirect, divert, reroute

(1) **shunt** surgery, (2) **shunt** the output wavelength The railway workers had to **shunt** the train to a different track to clear the tracks.

wage

- a particular amount of money that somebody earns, usually every week or every month, for work or services *synonym*: payment, compensation, salary
- (1) unpaid wages, (2) increase in the minimum wage His wages continued to rise as his skills improved.

labor

productive work, especially physical work done for n. wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

synonym: toil, moil, donkeywork

(1) seasonal labor, (2) manual labor In several countries, child **labor** is a serious social problem.

facility

a building or place that provides a particular service or is used for a particular industry

synonym: building, structure, installation

(1) a cell phone with an internet **facility**, (2) **facility** design This company has an entire recycling facility, including major reprocessing plants.

fantasy

a fiction with a large amount of imagination in it; a
pleasant situation that you imagine but that is unlikely to
happen

synonym: fiction, illusion, fabrication

- (1) **fantasy** novel, (2) confuse **fantasy** with reality Composition by artificial intelligence is no longer a **fantasy**.
- a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels

synonym: damper, restraint, check

(1) apply the **brake**, (2) **brake** pedal

The results of that election put a **brake** on political reform.

develop

brake

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.

emphasis

 particular importance or significance that is given to something

synonym: priority, stress, focus

(1) **emphasis** on color, (2) lay great **emphasis** on policy The spotlight gave the central figure increased **emphasis**.

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.

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unbridled

adj. lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled

synonym: unrestrained, unchecked, unfettered

(1) unbridled power, (2) unbridled creativity

Her **unbridled** enthusiasm for the project helped to motivate the team.

argument

 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.

resolve

- v. to find a suitable answer to the problems or difficulty synonym: decide, determine, fix
- (1) **resolve** a dispute, (2) **resolve** the computer error This company **resolves** its battery problem completely.

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.

illusory

adj. not real or true; based on or having the nature of an illusion

synonym: illusive, deceptive, delusional

(1) illusory wealth, (2) illusory hope

The promise of easy money turned out to be **illusory**.

rip

v. to tear something or be torn violently or suddenly synonym: tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof During transit, the stuff may **rip** off the luggage tag.

lame

 adj. having a limp or difficulty walking due to an injury or disability

synonym: cripple, gimp, hobbled

(1) a lame older man, (2) lame apology

The **lame** horse was unable to race.

accumulate

 to collect or acquire a large number of things over a long period of time

synonym: amass, stash, earn

(1) **accumulate** cash value, (2) **accumulate** evidence He has **accumulated** his wealth through real estate investments.

guarantee

 to promise something will happen formally, especially that certain conditions about a product, service, or transaction would be met

synonym: assure, promise, warrant

(1) **guarantee** a high quality, (2) **guarantee** women equality We cannot **guarantee** enough raw material sources.

prosperity

the state of being successful and having the good fortune

synonym: affluence, accomplishment, capital

(1) economic **prosperity**, (2) **prosperity** of humankind This war shattered dreams of peace and **prosperity**.

demonstrate

v. to display something or give an exhibition to an interested audience

synonym: show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery How can you **demonstrate** that the earth is a sphere?

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity A smaller car will **consume** less fuel.

convince

v. to persuade someone or make someone believe that something is true

synonym: persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent I am considering what I should do to **convince** him.

embrace

v. to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

synonym: grasp, hold tightly, accept

(1) **embrace** an opportunity, (2) a warm **embrace** The woods **embrace** the house.

routinely

adv. on a regular or habitual basis; in a manner that is customary or expected

synonym: habitually, regularly, customarily

(1) **routinely** check, (2) **routinely** scheduled maintenance They **routinely** conduct fire drills to ensure everyone in the building knows what to do in an emergency.

quarter

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

leaky

adj. having a hole or crack that allows liquids or gases to pass through it

synonym: faulty, permeable, porous

(1) heal **leaky** gut, (2) **leaky** bucket

The boat had a **leaky** hull and needed to be patched.

contaminate

v. to make something impure, unclean, or poisonous by contact or mixture

synonym: defile, pollute, adulterate

(1) **contaminate** with a disease, (2) **contaminate** his ego We strive not to **contaminate** the environment when demolishing petroleum plants.

cape

 a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water

synonym: shawl, cloak, mantle

(1) cape cod, (2) red cape

The superhero wore a flowing cape as part of their costume.

remarkable

adj. worthy of attention because unusual or special *synonym*: outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

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.

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 emissionTrees absorb carbon dioxide and give off oxygen.

willingness

- n. the state of being ready or inclined to do somethingsynonym: readiness, eagerness, enthusiasm
- (1) **willingness** to help, (2) indicate a **willingness** to change

Her willingness to help others earned her many friends.

nuke

v. (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile

synonym: blast, bomb, attack

(1) **nuke** a city, (2) **nuke** missile

The government threatened to **nuke** the enemy territory if they didn't surrender.

shuttle

 a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

synonym: ferry, transport, convey

(1) space **shuttle**, (2) **shuttle** service

The **shuttle** bus will take you to the airport in 15 minutes.

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.

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.

deploy

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

alarm

 a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger

synonym: notice, warning, panic

(1) give the **alarm**, (2) an **alarm** clock

The **alarm** announcing an enemy attack went off this morning.

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.

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

yell

v. to shout in a sudden and loud way

synonym: shout, scream, cry

(1) yell for help, (2) yell as loud as we can

When I asked my father for more money, he became furious and **yelled** at me.

scream

v. to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice

synonym: cry, shout, yell

- (1) **scream** a profanity, (2) **scream** at him to be quiet She kept **screaming** for an ambulance.
- v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or

argue

reasoning to persuade or convince others synonym: debate, dispute, quarrel

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

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

march

- v. to walk militarily with stiff, regular steps
- *synonym*: parade
- (1) march against the war, (2) march east

The troops **marched** shoulder-to-shoulder.

dwarf

- a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
- synonym: midget, lilliputian, pygmy
- (1) a potted dwarf tree, (2) a wise old dwarf

The **dwarf** planet Pluto is much smaller than earth and orbits the sun.

conservation

- the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
- synonym: preservation, protection, saving
- (1) soil **conservation**, (2) the **conservation** law of physics The forest was recently designated a **conservation** area.

freshwater

- adj. living in, found in, or connecting with water that does not contain salt
- (1) **freshwater** area, (2) **freshwater** aquatic bird This microbe is a parasite of **freshwater** fish.

destroy

- v. to ruin or damage severely or completely; to eradicate or eliminate completely
- synonym: demolish, ruin, obliterate
- destroy the ecosystem, (2) destroyed evidence
 The building was destroyed in the fire and had to be rebuilt.

ecosystem

- all the plants and living creatures in an area and the way they affect each other and the environment
- (1) marine **ecosystem**, (2) change the **ecosystem**Human conservation efforts often fail unexpectedly because they disturb the balance of the **ecosystem**.

humankind

- *n.* the whole of the living human inhabitants of the earth *synonym*: humanity, human race, society
- (1) **humankind** as a species, (2) history of **humankind**On the geological time scale, **humankind** has existed for a brief moment.

protest

a strong expression of disagreement, disapproval, or opposition

synonym: objection, disapproval, challenge

(1) hold a protest,(2) a silent protestHe left the party in protest at its radical political stance.

sphere

 a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

synonym: ball, globe, scope

(1) **sphere** of influence, (2) business **sphere**The **sphere** of the earth is divided into several layers including the crust, mantle, and core.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym: acknowledge, identify, admit

(1) recognize talent, (2) recognize achievementIt's important to recognize your strengths and weaknesses.

movement

 a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively synonym: motion, progression, action

a circular movement, (2) movement of troops
 The movement of the dancers on stage was graceful and

elegant.

critic

 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**.

mass

 a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym: abundance, crowd, mob

(1) a mass of molten rock, (2) critical mass

The **mass** of people who do not own property is politically impotent.

hostility

n. aggressive or unfriendly feelings or behavior

synonym: antagonism, antipathy, estrangement

(1) an act of hostility, (2) bitter hostility

Her unconcealed hostility made us unpleasant.

premise

 a statement or proposition that is held to be true or from which a conclusion can be drawn

synonym: assumption, postulate, supposition

(1) the major **premise**, (2) make a **premise**

The book's **premise** is that the main character must save the world from an impending disaster.

uranium

a chemical element with the symbol U, atomic number
 92, that is a dense, silvery-white metal that is radioactive
 and is used as a fuel for nuclear power plants

synonym : **U**

(1) **uranium** mining, (2) radioactive **uranium** isotope

The mining and processing of **uranium** can lead to releasing radioactive materials into the environment.

volume

 n. the amount of space occupied by an object or substance; the magnitude of sound

synonym: capacity, amount, intensity

(1) volume of work, (2) high volume

This container has a **volume** of 10 cubic meters.

rickety

adj. wobbly, unsteady, and likely to collapse

synonym: unstable, wobbly, shaky

(1) rickety structure, (2) rickety chair

The old wooden bridge was **rickety** and swayed with every step.

temporary

adj. not lasting or be used for a very long

synonym: provisional, short-term, interim

(1) a temporary permit, (2) temporary housing

He managed to get temporary jobs during the recession.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym: incidental, arbitrary, unanticipated

(1) a random choice, (2) bombs fell at random

To find drunk drivers, police conduct random tests.

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.

survival

 the state of continuing to exist or live, frequently in the face of difficulty or danger

synonym: endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

survive

- v. to live or exist despite a dangerous event or period synonym: endure, persist, stay
- (1) **survive** a blizzard, (2) **survive** a plane crash These birds can only **survive** in temperate climates.

safeguard

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

synonym: protect, assure, conserve

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

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

biome

 a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest

synonym: ecosystem, habitat, biota

(1) **biome** conservation, (2) marine **biome**

The rainforest is one of the most diverse **biomes** on the planet.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling The golfer recorded an **amazing** distance.

cynical

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

synonym: skeptical, mistrustful, doubtful

(1) **cynical** remarks, (2) **cynical** worldview

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

Session 2: Spelling

1. ex___e in popularity

2. v t desert

3. am___g advances

4. business sp___e

o_d behavior

6. ma____e amounts

7. low pro____ve capacity

8. go___n a public enterprise

9. a co t camera

10. use of nu r power

 to burst or break open violently and noisily; to cause something to burst or break open

adj. enormous in size, number, amount, or quantity

adj. extremely surprising, especially in a way that you like or admire

 a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

adj. strange or unexpected; not divisible by two

adj. enormous amount; very heavy and solid

adj. resulting in or making a lot or a significant amount of something, especially something of value

v. to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

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

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

ANSWERS: 1. explode, 2. vast, 3. amazing, 4. sphere, 5. odd, 6. massive, 7. productive, 8. govern, 9. compact, 10. nuclear

the amount of material or information 11. network thr ut n. that can be processed by a system or organization over a given period of time a type of evergreen tree with short, stiff 12. sp__e forest n. needles and small cones, often used as a decorative or ornamental tree: (adjective) neat, clean, or tidy in appearance 13. the mean annual ra____ll the amount of rain that falls in a specific location at a particular moment 14. stuck in the ce____t a pit or tank used for the disposal of n. human waste or sewage 15. ma____e stars adj. enormous amount; very heavy and solid 16. st sh arm marine invertebrate that belongs to the n. phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor to express differing opinions or points of 17. ar__e a case ν. view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others adj. strange or unexpected; not divisible by 18. in an o d way two 19. te___o beat a style of electronic dance music that originated in Detroit in the 1980s and is characterized by a repetitive, synthesized beat and minimalist sound effects; the use of advanced technology

ANSWERS: 11. throughput, 12. spruce, 13. rainfall, 14. cesspit, 15. massive, 16. starfish, 17. argue, 18. odd, 19. techno

or techniques in a particular field

the state of being happy and healthy 20. a sense of wel____ng n. and prosperous to promise something will happen 21. gu ee women equality ν. formally, especially that certain conditions about a product, service, or transaction would be met adj. enormous; much bigger or more 22. gi t trees important than similar items usually are 23. re le energy adj. capable of being renewed, extended, or replaced 24. cy___l remarks adj. believing that people are motivated by self-interest; distrustful of human sincerity or integrity 25. art cr___c someone who expresses opinions n. about the quality of books, music, etc. adj. not different, exceptional, or unexpected 26. an or___ry school in any way, especially in quality, ability, size, or degree 27. de___e my position to state or explain precisely the nature, ν. scope, or meaning of something a short, often humorous performative 28. comedy s t n. piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance a building or place that provides a 29. a cell phone with an internet n. particular service or is used for a fa____ty particular industry 30. ze__a crossing a wild, horse-like mammal native to Africa with distinctive black-and-white stripes

ANSWERS: 20. well-being, 21. guarantee, 22. giant, 23. renewable, 24. cynical, 25. critic, 26. ordinary, 27. define, 28. skit, 29. facility, 30. zebra

31.	ree the materials	<i>v</i> .	to use something again or more than once
32.	genly inherited traits	adv.	in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
33.	a China-based joust	n.	a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
34.	a blazing arnt	n.	a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
35.	mass trt	n.	the act or process of passing through or across a place or state; transportation
36.	sual food	n.	the state of continuing to exist or live, frequently in the face of difficulty or danger
37.	wilss to help	n.	the state of being ready or inclined to do something
38.	demte a difference	<i>v</i> .	to display something or give an exhibition to an interested audience
39.	a nunt for hair	n.	any substance that is essential for the maintenance and growth of living things
40.	urze a region	<i>v</i> .	to make an area more urban in character or nature, often through the development and expansion of cities or towns

ANSWERS: 31. reuse, 32. genetically, 33. journalist, 34. argument, 35. transit, 36. survival, 37. willingness, 38. demonstrate, 39. nutrient, 40. urbanize

atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants

n.

a chemical element with the symbol U,

ANSWERS: 41. aquifer, 42. devote, 43. ecology, 44. process, 45. consume, 46. cynical, 47. exploit, 48. mussel, 49. uranium

49. radioactive ur___m isotope

50. de y safety measures to move troops or weapons into a ν. position or military action; to bring into something in an effective way to die or cause to die by being unable to 51. dr n in a bath ν. breathe underwater 52. re____le subscriptions adj. capable of being renewed, extended, or replaced 53. pinch off a b d a small swelling on a plant stem or twig n. containing an undeveloped shoot 54. environmental pe 1 serious and great danger or risk n. 55. a gr h sample a picture consisting of a line, lines, n. points, etc., that shows how two or more sets of certain quantities are related to each other 56. dem te mastery to display something or give an ν. exhibition to an interested audience 57. critical m s a large amount of a substance with no n. definite shape or form; a large number of people or things grouped or crowded together adv. approximately but not precisely; with a 58. ro___y explain my idea violent manner 59. water des____ion the process of removing salt, especially n. from seawater 60. ar e passionately to express differing opinions or points of view, often in a heated or contentious

ANSWERS: 50. deploy, 51. drown, 52. renewable, 53. bud, 54. peril, 55. graph, 56. demonstrate, 57. mass, 58. roughly, 59. desalination, 60. argue

manner; to present a case or reasoning

to persuade or convince others

the weather in a particular location 61. a cold cl e n. averaged over some long period 62. ur____m mining a chemical element with the symbol U, n. atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants to move forward by leaps and bounds; 63. bo__d up a staircase to form the boundary of something 64. a seafaring na___n a large organized community of people living in a particular country or region and having a particular culture a thick and solid mass or piece of 65. a tiny ch k of meat n. something to make full use of and gain an 66. ex t a security hole ν. advantage from resources, opportunities, etc. to damage, spoil, or demolish 67. r_n the reputation ν. something; (noun) an unrecoverable state of devastation and destruction. 68. re____e the cardboard boxes to sort and collect things to process ν. them and produce valuable materials that can be used again 69. sa rd my property to protect something or someone from harm, damage, or loss 70. su___e a plane crash to live or exist despite a dangerous event or period the state of being free within society 71. personal li y n. from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

ANSWERS: 61. climate, 62. uranium, 63. bound, 64. nation, 65. chunk, 66. exploit, 67. ruin, 68. recycle, 69. safeguard, 70. survive, 71. liberty

ANSWERS: 72. prosperity, 73. emphasis, 74. engineer, 75. interconnect, 76. photosynthesis, 77. drown, 78. consume, 79. mussel, 80. facility, 81. rickety, 82. ecosystem

area and the way they affect each other

and the environment

affected

85. re___e milk packaging into new paper v. to sort and collect things to process them and produce valuable materials that can be used again

n. a collection of objects positioned one on top of another; a large sum of

top of another; a large sum of something, such as money

v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,

 a particular amount of money that somebody earns, usually every week or every month, for work or services

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

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

 to burst or break open violently and noisily; to cause something to burst or break open

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

 rural areas or regions outside of cities and urban centers often characterized by open fields, farmland, forests, and countryside scenery

87. r__n the plan88. unpaid w__es89. fairly ty____I symptoms90. intensive agr____re

92. sa rd environmental quality

86. a sand p__e

91. ex e in anger

93. cou de scenery

ANSWERS: 83. glitter, 84. fundamental, 85. recycle, 86. pile, 87. ruin, 88. wage, 89. typical, 90. agriculture, 91. explode, 92. safeguard, 93. countryside

94. Silme g_o	n.	indeterminate or unknown composition; a slang term used to describe something messy, chaotic, or confusing
95. federal coron charges	n.	dishonest, harmful, or illegal behavior, especially of people in positions of power
96. the arnt 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
97. 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
98. git tech company	adj.	enormous; much bigger or more important than similar items usually are
99. envnt affairs	n.	the natural world such as air, water, and land in which humans, animals, and plants live
100. workplace thrut	n.	the amount of material or information that can be processed by a system or organization over a given period of time
101. biomass fI	n.	a substance that is typically burned to generate heat or energy
102. indicate a wilss to change	n.	the state of being ready or inclined to do something
103. exposure to toc chemicals	adj.	of or relating to or caused by a poison; poisonous

ANSWERS: 94. goo, 95. corruption, 96. argument, 97. carbon, 98. giant, 99. environment, 100. throughput, 101. fuel, 102. willingness, 103. toxic

104. di ar after a week to cease to exist or be visible ν. 105. ex d the warranty to broaden in scope, range, or area ν. 106. the height of a p e a collection of objects positioned one on n. top of another; a large sum of something, such as money 107. b d grafting a small swelling on a plant stem or twig n. containing an undeveloped shoot 108. st sh habitat marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor 109. effects of cl e change the weather in a particular location n. averaged over some long period 110. principles of de____cy a form of government in which the n. people have the authority to deliberate and decide legislation, or to choose governing officials to do so 111. pr____oa species a diverse group of single-celled n. microorganisms that are classified as eukaryotic, meaning they have a distinct nucleus and other membrane-bound organelles found in a wide range of environments, from soil to water to the bodies of humans and animals 112. p y devoutly to make a request or petition to a higher power, especially in the form of a respectful or humble request to tear something or be torn violently or 113. r p a hole in the roof ν. suddenly

ANSWERS: 104. disappear, 105. extend, 106. pile, 107. bud, 108. starfish, 109. climate, 110. democracy, 111. protozoa, 112. pray, 113. rip

114. homal rights	adj.	sexually attracted to people of one's own sex
115. indal alcohol	adj.	of or relating to or resulting from industry
116. coin information flow	<i>v</i> .	to restrict or limit someone or something's freedom or ability to do something
117. blood-sucking pate	n.	an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
118. she service	n.	a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
119. py for rain	ν.	to make a request or petition to a higher power, especially in the form of a respectful or humble request
120. nutrient-dee foods	adj.	containing a large number of people or something with little space between them
121. guee a high quality	ν.	to promise something will happen formally, especially that certain conditions about a product, service, or transaction would be met
122. aspon into the lungs	n.	a strong desire to achieve something; the action or process of drawing breath
123. ree existing knowledge	<i>v</i> .	to use something again or more than once
124. ern control	n.	the wearing away of rock, soil, or land by natural processes such as wind or water

ANSWERS: 114. homosexual, 115. industrial, 116. constrain, 117. parasite, 118. shuttle, 119. pray, 120. dense, 121. guarantee, 122. aspiration, 123. reuse, 124. erosion

125. the most amg feeling	adj.	way that you like or admire
126. ste for a victory	ν.	to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
127. heavy raII	n.	the amount of rain that falls in a specific location at a particular moment
128. meet with oppon	n.	the act of disagreeing or resisting; the state of strong disagreement
129. cae calculation	n.	unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
130. genly manipulated plant	adv.	in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
131. deyed evidence	<i>v</i> .	to ruin or damage severely or completely; to eradicate or eliminate completely
132. chaotic envnt	n.	the natural world such as air, water, and land in which humans, animals, and plants live
133. roly scheduled maintenance	adv.	on a regular or habitual basis; in a manner that is customary or expected

ANSWERS: 125. amazing, 126. starve, 127. rainfall, 128. opposition, 129. calorie, 130. genetically, 131. destroy, 132. environment, 133. routinely

134. coal swimming pool	adj.	belonging to or used by a group rather than individuals; for common use
135. rece by myself	ν.	to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
136. bre pedal	n.	a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels
137. pei dish test	n.	(petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
138. prove meeting	adj.	resulting in or making a lot or a significant amount of something, especially something of value
139. eme an opportunity	ν.	to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection
140. physical rent	n.	a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement
141. matze a cease-fire	v.	to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
142. zea pattern	n.	a wild, horse-like mammal native to

ANSWERS: 134. communal, 135. reproduce, 136. brake, 137. petri, 138. productive, 139. embrace, 140. restraint, 141. materialize, 142. zebra

stripes

Africa with distinctive black-and-white

143. a brd mind	adj.	very wide; general
144. a prodigious vin	n.	the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
145. change the ecem	n.	all the plants and living creatures in an area and the way they affect each other and the environment
146. bie conservation	n.	a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest
147. the conion law of physics	n.	the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
148. coal combination of funds	adj.	belonging to or used by a group rather than individuals; for common use
149. me acquaintance	adj.	used to emphasize how insignificant or minor someone or something is
150. the peI of the sea	n.	serious and great danger or risk
151. his conclusion was obs	adj.	easy to see, discover or understand
152. political st	n.	a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance
153. apply the bre	n.	a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels

ANSWERS: 143. broad, 144. vision, 145. ecosystem, 146. biome, 147. conservation, 148. communal, 149. mere, 150. peril, 151. obvious, 152. skit, 153. brake

154. dep a strategy	<i>v</i> .	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
155. an alm clock	n.	a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger
156. mah against the war	<i>v</i> .	to walk militarily with stiff, regular steps
157. ce cod	n.	a type of long, loose outer garment that covers the back, shoulders, and arms; headland or promontory extending into the sea or other large body of water
158. uned power	adj.	lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled
159. red the situation as unfortunate	v.	to think about or consider somebody or something in a specified way
160. rise nearly hunld	adj.	a hundred times as great or as much
161. free-living proa	n.	a diverse group of single-celled microorganisms that are classified as eukaryotic, meaning they have a distinct nucleus and other membrane-bound organelles found in a wide range of

environments, from soil to water to the

bodies of humans and animals

are classified as they have a distinct

ANSWERS: 154. develop, 155. alarm, 156. march, 157. cape, 158. unbridled, 159. regard, 160. hundredfold, 161. protozoa

v.	to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
ν.	to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
v.	to restrict or limit someone or something's freedom or ability to do something
n.	the wearing away of rock, soil, or land by natural processes such as wind or water
n.	an economic system based on the private ownership of the means of production and their operation for profit
n.	a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
ν.	to cease to exist or be visible
v.	to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
adj.	of or relating to or caused by a poison; poisonous
	v. n. n. v. v.

ANSWERS: 162. devote, 163. dispose, 164. constrain, 165. erosion, 166. capitalism, 167. prop, 168. disappear, 169. modify, 170. toxic

171. die battleships for a battle	v.	to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
172. freer aquatic bird	adj.	living in, found in, or connecting with water that does not contain salt
173. res to childhood	v.	to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate
174. give the alm	n.	a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger
175. a nation's right to gon	v.	to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services
176. dee forests	adj.	containing a large number of people or something with little space between them
177. be in a dia	n.	a situation in which a difficult choice has to be made between two or more options, especially that are equally unfavorable ones
178. a scientific vint	n.	a way of thinking about a specific subject; a place from which something can be viewed, especially in an area of natural beauty
179. sls retentive of moisture	n.	the top layer of Earth in which plants grow

ANSWERS: 171. dispose, 172. freshwater, 173. regress, 174. alarm, 175. govern, 176. dense, 177. dilemma, 178. viewpoint, 179. soil

180. rot fuel	n.	a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
181. self-rent	n.	a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement
182. sue a blizzard	ν.	to live or exist despite a dangerous event or period
183. reze achievement	ν.	to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
184. dey the ecosystem	v.	to ruin or damage severely or completely; to eradicate or eliminate completely
185. ne missile	v.	(derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile
186. the conon of food	n.	the amount used or eaten; the act of using up a resource such as energy, food, or materials
187. a qur mile	n.	one of four equal parts; a fourth part or portion
188. sht surgery	v.	to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually

ANSWERS: 180. rocket, 181. restraint, 182. survive, 183. recognize, 184. destroy, 185. nuke, 186. consumption, 187. quarter, 188. shunt

electrical current or fluid

189.	а	bac	nd	CO	loi

- 190. en___on the future
- 191. reduce my ca____e intake

- 192. a potted dw__f tree
- 193. n__e a city
- 194. ex___d a line
- 195. co____te environment
- 196. r I down his cheeks
- 197. ma h east

- n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
- v. to imagine or expect what a situation will be like in the future
- n. unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
- n. a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
- v. (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile
- v. to broaden in scope, range, or area
- adj. of or relating to a large company
- v. to move in a particular direction by turning over and over or from side to side
- v. to walk militarily with stiff, regular steps

ANSWERS: 189. background, 190. envision, 191. calorie, 192. dwarf, 193. nuke, 194. extend, 195. corporate, 196. roll, 197. march

n.	a way of thinking about a specific subject; a place from which something can be viewed, especially in an area of natural beauty
ν.	to move troops or weapons into a position or military action; to bring into something in an effective way
n.	the amount of space occupied by an object or substance; the magnitude of sound
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
n.	(petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
n.	a span of 1000 years, or the 1000th anniversary (plural: millennia)
v.	to increase or to make something greater in size, number, or importance
n.	a specific area, region, or section that is marked off or defined in some way
n.	an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
ν.	to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
	 v. n. n. n. n. n.

ANSWERS: 198. viewpoint, 199. deploy, 200. volume, 201. installation, 202. petri, 203. millennium, 204. expand, 205. zone, 206. parasite, 207. materialize

208. bitter hoty	n.	aggressive or unfriendly feelings or behavior
209. nan-state	n.	a large organized community of people living in a particular country or region and having a particular culture
210. nunt medicine	n.	any substance that is essential for the maintenance and growth of living things
211. past milum	n.	a span of 1000 years, or the 1000th anniversary (plural: millennia)
212. words of the prt	n.	a person believed to have an extraordinary power that can understand God's will.
213. a urinary trt infection	n.	a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body
214. bg his fist on a desk	<i>v</i> .	to hit or cause to hit something in a way that makes a loud noise
215. oxygenic phosis	n.	the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
216. cp herbicide	n.	a plant that is cultivated in large amounts, particularly for food
217. the cycle of poy	n.	the condition of being extremely poor
218. false prt	n.	a person believed to have an extraordinary power that can understand God's will.

ANSWERS: 208. hostility, 209. nation, 210. nutrient, 211. millennium, 212. prophet, 213. tract, 214. bang, 215. photosynthesis, 216. crop, 217. poverty, 218. prophet

219. joust on a magazine	n.	a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
220. a warm eme	<i>v</i> .	to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection
221. marine bie	n.	a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest
222. dee a word	<i>v</i> .	to state or explain precisely the nature, scope, or meaning of something
223. high voe	n.	the amount of space occupied by an object or substance; the magnitude of sound
224. Ie apology	adj.	having a limp or difficulty walking due to an injury or disability
225. no aspon for fame	n.	a strong desire to achieve something; the action or process of drawing breath
226. ree book	n.	a set of instructions for preparing a dish, including the ingredients and the method of cooking
227. a Ie older man	adj.	having a limp or difficulty walking due to an injury or disability
228. expal function	adj.	becoming more and more rapid; of or involving mathematical exponents

ANSWERS: 219. journalist, 220. embrace, 221. biome, 222. define, 223. volume, 224. lame, 225. aspiration, 226. recipe, 227. lame, 228. exponential

229. dep a skill	ν.	to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
230. ilry hope	adj.	not real or true; based on or having the nature of an illusion
231. oxygen am	n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
232. a stone wall sunds the palace	<i>v</i> .	to be all around something or somebody
233. trass boundaries	v.	to break the law or moral code; to go beyond or exceed the limits or boundaries of something
234. glr in her eyes	v.	to shine with bright, sparkling light; to reflect light in a way that sparkles and shines
235. cell and molecular biy	n.	the scientific study of life and the natural processes of living things
236. ilry wealth	adj.	not real or true; based on or having the nature of an illusion
237. financial wid	n.	a person who is skilled in magic or a particular technical field
238. hold a prt	n.	a strong expression of disagreement, disapproval, or opposition
239. improve hunId	adj.	a hundred times as great or as much

ANSWERS: 229. develop, 230. illusory, 231. atom, 232. surround, 233. transgress, 234. glitter, 235. biology, 236. illusory, 237. wizard, 238. protest, 239. hundredfold

240. ze defense	n.	a specific area, region, or section that is marked off or defined in some way
241. ree the computer error	v.	to find a suitable answer to the problems or difficulty
242. a chk of money	n.	a thick and solid mass or piece of something
243. ener shortage	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
244. ree a dispute	<i>v</i> .	to find a suitable answer to the problems or difficulty
245. skin micme	n.	the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
246. mam limit	adj.	the largest or greatest amount or value attainable or attained
247. a silent prt	n.	a strong expression of disagreement, disapproval, or opposition
248. exd agricultural output	<i>v</i> .	to increase or to make something greater in size, number, or importance
249. the ouak of hostilities	n.	a sudden start of something, usually a disease or something dangerous or unpleasant
250. worry enly about our future	adv.	in a way that continues for a long time or seems to have no end or limit
251. can 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: 240. zone, 241. resolve, 242. chunk, 243. engineer, 244. resolve, 245. microbiome, 246. maximum, 247. protest, 248. expand, 249. outbreak, 250. endlessly, 251. carbon

252. poy alleviation
253. freer area
254. homal marriage
255. rl a ball
256. the mam speed
257. heal ley gut
258. accte cash value
259. r_p a notebook apart
260. lose exs weight
261. a tery permit
262. fonts in the snow
263. expal growth
264. enon the project's success
265. a wise old dwf

- *n.* the condition of being extremely poor
- adj. living in, found in, or connecting with water that does not contain salt
- adj. sexually attracted to people of one's own sex
- v. to move in a particular direction by turning over and over or from side to side
- adj. the largest or greatest amount or value attainable or attained
- adj. having a hole or crack that allows liquids or gases to pass through it
- v. to collect or acquire a large number of things over a long period of time
- v. to tear something or be torn violently or suddenly
- *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
- adj. not lasting or be used for a very long
- n. a mark of a foot, shoe, or animal's foot left on a surface
- adj. becoming more and more rapid; of or involving mathematical exponents
- v. to imagine or expect what a situation will be like in the future
- n. a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star

ANSWERS: 252. poverty, 253. freshwater, 254. homosexual, 255. roll, 256. maximum, 257. leaky, 258. accumulate, 259. rip, 260. excess, 261. temporary, 262. footprint, 263. exponential, 264. envision, 265. dwarf

266. re ze talen	ιt
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267. ag___an society

268. a m s of molten rock

269. t_b for foot soaking

270. m e incident

271. le y bucket

272. seasonal la__r

273. manual la r

- v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
- adj. relating to the cultivation of land or the raising of crops and animals;
 characterized by a society that relies on agriculture as its primary means of sustenance
- a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
- a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
- adj. used to emphasize how insignificant or minor someone or something is
- adj. having a hole or crack that allows liquids or gases to pass through it
- n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
- n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

ANSWERS: 266. recognize, 267. agrarian, 268. mass, 269. tub, 270. mere, 271. leaky, 272. labor, 273. labor

- 274. con____te with a disease
- 275. st___e to death
- 276. gr_h theory
- 277. p_t control
- 278. co ve coal resources
- 279. rem le achievement
- 280. b g a phone down
- 281. te____ry housing
- 282. ro__t attack against the enemy
- 283. bombs fell at ra m

- v. to make something impure, unclean, or poisonous by contact or mixture
- v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
- n. a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
- a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome
- v. to protect something, especially the natural environment or culture, from change, damage, or destruction
- adj. worthy of attention because unusual or special
- v. to hit or cause to hit something in a way that makes a loud noise
- adj. not lasting or be used for a very long
- a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
- adj. made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 274. contaminate, 275. starve, 276. graph, 277. pest, 278. conserve, 279. remarkable, 280. bang, 281. temporary, 282. rocket, 283. random

ANSWERS: 284. movement, 285. goo, 286. spruce, 287. untouched, 288. submit, 289. fundamental, 290. liberty, 291. premise

n.

291. the major pr e

or political views

be drawn

a statement or proposition that is held to

be true or from which a conclusion can

293. an act of hoty n. aggressive or unfriendly feelings or behavior 294. yl for help v. to shout in a sudden and loud way 295. an exs of exports n. an amount or quantity beyond what is acceptable, expected, or reasonable 296. res in skills v. to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate 297. confuse fay with reality n. a fiction with a large amount of importance in its a place and situation.
295. an exs of exports n. an amount or quantity beyond what is acceptable, expected, or reasonable 296. res in skills v. to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate 297. confuse fay with reality n. a fiction with a large amount of
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to an earlier or less advanced state or condition; to decline or deteriorate 297. confuse fay with reality n. a fiction with a large amount of
imagination in it; a pleasant situation that you imagine but that is unlikely to happen
298. trass against the rules v. to break the law or moral code; to go beyond or exceed the limits or boundaries of something
299. obs reasons adj. easy to see, discover or understand
300. tyI leader adj. having the usual characteristics or trait of a specific group of things
301. efnt operation adj. performing at the highest level of productivity with the least wasted effor or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
302. cae a glimpse v. to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 292. vision, 293. hostility, 294. yell, 295. excess, 296. regress, 297. fantasy, 298. transgress, 299. obvious, 300. typical, 301. efficient, 302. capture

303. a trt visa	n.	the act or process of passing through or across a place or state; transportation
304. under the umbrella of capsm	n.	an economic system based on the private ownership of the means of production and their operation for profit
305. ree collection	n.	a set of instructions for preparing a dish including the ingredients and the method of cooking
306. infectious disease ouaks	n.	a sudden start of something, usually a disease or something dangerous or unpleasant
307. aqr soil	n.	an underground layer of rock, sand, or Earth that can take in and hold water
308. fossil Homo sas	n.	the species of modern humans, Homo sapiens
309. scm at him to be quiet	v.	to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice
310. urze transportation systems	v.	to make an area more urban in character or nature, often through the development and expansion of cities or towns
311. chicken-and-egg dia	n.	a situation in which a difficult choice has to be made between two or more options, especially that are equally unfavorable ones
312. prs 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

ANSWERS: 303. transit, 304. capitalism, 305. recipe, 306. outbreak, 307. aquifer, 308. sapiens, 309. scream, 310. urbanize, 311. dilemma, 312. process

dairy products

313. make a pre	n.	a statement or proposition that is held to be true or from which a conclusion can be drawn
314. coce an opponent	v.	to persuade someone or make someone believe that something is true
315. 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
316. coron accusation	n.	dishonest, harmful, or illegal behavior, especially of people in positions of power
317. organic agrre	n.	the practice or science of cultivating the land or raising stock
318. a fol leaf	n.	any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
319. the fonts of an earlier civilization	n.	a mark of a foot, shoe, or animal's foot left on a surface
320. algebraic inety	n.	the unfairness of a society in which some people have more opportunity, money, etc. than others; (mathematics) relation between two values when they are different
321. mety pollution	n.	a huge city, especially with a population of more than 10 million people

ANSWERS: 313. premise, 314. convince, 315. economy, 316. corruption, 317. agriculture, 318. fossil, 319. footprint, 320. inequality, 321. megacity

a cereal plant that is the most important 322. harvesting whet n. kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc to change something slightly, such as a 323. genetically mo y food ν. plan, option, law, etc., especially to make it more suitable for a particular purpose 324. means to co____ve energy to protect something, especially the natural environment or culture, from change, damage, or destruction 325. con____te his ego to make something impure, unclean, or ν. poisonous by contact or mixture a group of people working together to 326. mo nt of troops n. achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively a plant that is cultivated in large 327. c p field n. amounts, particularly for food adj. made, done, or happening without 328. a ra m choice method, conscious decision, or any regular pattern 329. lo____ty genes the property of being long-lived; n. significant duration of service 330. re____ce the painting to make a copy of something such as a ν. picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

ANSWERS: 322. wheat, 323. modify, 324. conserve, 325. contaminate, 326. movement, 327. crop, 328. random, 329. longevity, 330. reproduce

331. parched sl	n.	the top layer of Earth in which plants grow
332. extremely cot device	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
333. the welng of a nation	n.	the state of being happy and healthy and prosperous
334. sas evolution	n.	the species of modern humans, Homo sapiens
335. soil conion	n.	the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
336. cote right	adj.	of or relating to a large company
337. history of hund	n.	the whole of the living human inhabitants of the earth
338. emis on color	n.	particular importance or significance that is given to something
339. cae customers' hearts	<i>v</i> .	to catch a person or an animal and confine them in an area which they cannot escape
340. have a diverse micme	n.	the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
341. sut an application	<i>v</i> .	to give or offer a document, proposal, etc. to a decision-maker for examination or consideration

ANSWERS: 331. soil, 332. compact, 333. well-being, 334. sapiens, 335. conservation, 336. corporate, 337. humankind, 338. emphasis, 339. capture, 340. microbiome, 341. submit

342. mety project	n.	a huge city, especially with a population of more than 10 million people
343. live an abnt life	adj.	present in great quantity
344. 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
345. attract brd attention	adj.	very wide; general
346. accte evidence	ν.	to collect or acquire a large number of things over a long period of time
347. the remle breadth of knowledge	adj.	worthy of attention because unusual or special
348. coude lifestyle	n.	rural areas or regions outside of cities and urban centers often characterized by open fields, farmland, forests, and countryside scenery
349. a trt of virgin forest	n.	a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body
350. hund as a species	n.	the whole of the living human inhabitants of the earth
351. increase in the minimum we	n.	a particular amount of money that somebody earns, usually every week or every month, for work or services
352. 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

ANSWERS: 342. megacity, 343. abundant, 344. efficient, 345. broad, 346. accumulate, 347. remarkable, 348. countryside, 349. tract, 350. humankind, 351. wage, 352. installation

353. nu	r fusion	adj.	of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
354. t_b fo	or washing	n.	a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
355. lo	ty crisis	n.	the property of being long-lived; significant duration of service
356. econo	omic proty	n.	the state of being successful and having the good fortune
357. re	d him as an enemy	ν.	to think about or consider somebody or something in a specified way
358. a p	t of bean plants	n.	a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome
359. shut d	lown a desion plant	n.	the process of removing salt, especially from seawater
360. or	_ry annual revenue	adj.	not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
361. cold c	ceI	n.	a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into porridge, or used to make breakfast cereals
362. beginr revolu	ning of the indal	adj.	of or relating to or resulting from industry

ANSWERS: 353. nuclear, 354. tub, 355. longevity, 356. prosperity, 357. regard, 358. pest, 359. desalination, 360. ordinary, 361. cereal, 362. industrial

363. prophet of dm	n.	death, destruction, or some other terrible situation that cannot be avoided
364. agan reform	adj.	relating to the cultivation of land or the raising of crops and animals; characterized by a society that relies on agriculture as its primary means of sustenance
365. neutral hydrogen ams	n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
366. average fuel conon	n.	the amount used or eaten; the act of using up a resource such as energy, food, or materials
367. uned creativity	adj.	lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled
368. teo festival	n.	a style of electronic dance music that originated in Detroit in the 1980s and is characterized by a repetitive, synthesized beat and minimalist sound effects; the use of advanced technology or techniques in a particular field
369. spe of influence	n.	a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
370. vt majority	adj.	enormous in size, number, amount, or quantity

ANSWERS: 363. doom, 364. agrarian, 365. atom, 366. consumption, 367. unbridled, 368. techno, 369. sphere, 370. vast

- 371. smokeless f__l
- 372. ro____y speaking
- 373. sc___m a profanity
- 374. an ab nt supply of water
- 375. p__p stick

- 376. red c e
- 377. space sh___e
- 378. y I as loud as we can
- 379. sh t the output wavelength

- *n.* a substance that is typically burned to generate heat or energy
- adv. approximately but not precisely; with a violent manner
- v. to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice
- adj. present in great quantity
- n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
- a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
- a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
- v. to shout in a sudden and loud way
- v. to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

ANSWERS: 371. fuel, 372. roughly, 373. scream, 374. abundant, 375. prop, 376. cape, 377. shuttle, 378. yell, 379. shunt

one of four equal parts; a fourth part or 380. end of the first qu n. portion 381. co ce her to go with us to persuade someone or make someone believe that something is true 382. ro____ly check adv. on a regular or habitual basis; in a manner that is customary or expected 383. un____ed landscape adj. not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way 384. burning of fo___I fuels any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock 385. de____cy advocate a form of government in which the n. people have the authority to deliberate and decide legislation, or to choose governing officials to do so 386. bo ded with delight to move forward by leaps and bounds; to form the boundary of something someone who expresses opinions 387. severe cr___c n. about the quality of books, music, etc. 388. ec___y class the system by which a country or region n. 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

389. su nd a town

ANSWERS: 380. quarter, 381. convince, 382. routinely, 383. untouched, 384. fossil, 385. democracy, 386. bound, 387. critic, 388. economy, 389. surround

ν.

somebody

to be all around something or

390. i	inety in salary	n.	the unfairness of a society in which some people have more opportunity, money, etc. than others; (mathematics) relation between two values when they are different
391. :	science of ecy	n.	the study of the relationships between living organisms, including humans, and their physical environment
392. 1	fay novel	n.	a fiction with a large amount of imagination in it; a pleasant situation that you imagine but that is unlikely to happen
393. \	wht crop	n.	a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc
394. ı	repeat enly	adv.	in a way that continues for a long time or seems to have no end or limit
395. ı	riy structure	adj.	wobbly, unsteady, and likely to collapse
396.	evolutionary biy	n.	the scientific study of life and the natural processes of living things
397.	ceI grain	n.	a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into porridge, or used to make breakfast cereals
	directly intect with those systems	<i>v</i> .	to connect similar things
399. a	a wid at chess	n.	a person who is skilled in magic or a particular technical field

ANSWERS: 390. inequality, 391. ecology, 392. fantasy, 393. wheat, 394. endlessly, 395. rickety, 396. biology, 397. cereal, 398. interconnect, 399. wizard

- 400. economic d__m

 401. su____al ability

 402. a criminal bac____nd
 - 403. opp____on campaign
 - 404. ce___t cleaning

- n. death, destruction, or some other terrible situation that cannot be avoided
- the state of continuing to exist or live, frequently in the face of difficulty or danger
- n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
- n. the act of disagreeing or resisting; the state of strong disagreement
- n. a pit or tank used for the disposal of human waste or sewage

ANSWERS: 400. doom, 401. survival, 402. background, 403. opposition, 404. cesspit

Session 3: Fill in the Blanks

1.	Frugality and industry are still as virtues.
v.	to think about or consider somebody or something in a specified way
2.	He left the party in at its radical political stance.
n.	a strong expression of disagreement, disapproval, or opposition
3.	How can you that the earth is a sphere?
ν.	to display something or give an exhibition to an interested audience
4.	I like to take a long soak in the after a long day.
n.	a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
5.	The comedy group performed a hilarious about life in quarantine.
n.	a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance
6.	She kept for an ambulance.
<i>v</i> .	to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice
7.	elections were held in several European countries.
adj	belonging to or used by a group rather than individuals; for common use
8.	The planet Pluto is much smaller than earth and orbits the sun.
n.	a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
	SWERS: 1. regarded, 2. protest, 3. demonstrate, 4. tub, 5. skit, 6. screaming, 7. mmunal, 8. dwarf

	They conduct fire drills to ensure everyone in the building knows what to do in an emergency. v. on a regular or habitual basis; in a manner that is customary or expected
66. n.	In our country, water usually decreases during the winter. the amount used or eaten; the act of using up a resource such as energy, food, or materials
67. n.	The between the two sides over the proposed policy was heated. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
68. n.	The founding fathers fought for the of the American people. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
69. v.	We must a new system to streamline our workflow and increase efficiency. to grow or expand; to improve or refine through a process of progress and
70	refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
70.	This company has an entire recycling including major reprocessing plants. a building or place that provides a particular service or is used for a particular industry
71.	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
	SWERS: 65. routinely, 66. consumption, 67. argument, 68. liberty, 69. develop, 70. ility, 71. nuclear

ANSWERS: 72. prop, 73. starve, 74. hostility, 75. desalination, 76. inequality, 77. maximum, 78. longevity, 79. fundamental

ANSWERS: 113. environment, 114. Soil, 115. roughly, 116. urbanize, 117. exponential, 118. installation, 119. protozoa,

ANSWERS: 128. ecology, 129. humankind, 130. atom, 131. chunk, 132. shunt, 133.

recycle, 134. cesspit, 135. conservation

144 also guarantees intellectual property rights and thus promotes innovation.
 an economic system based on the private ownership of the means of production and their operation for profit
145. My father tried to mathematics into my head since childhood.
v. to hit or cause to hit something in a way that makes a loud noise
146. The recent economic downturn has resulted in layoffs.
adj. enormous amount; very heavy and solid
147. The club's playlist featured a lot of music.
 a style of electronic dance music that originated in Detroit in the 1980s and is characterized by a repetitive, synthesized beat and minimalist sound effects; the use of advanced technology or techniques in a particular field
148. During transit, the stuff may off the luggage tag.
v. to tear something or be torn violently or suddenly
149. The supermarket encourages shoppers to plastic bags.
v. to use something again or more than once
150. Glass dishes are used to culture microorganisms.
 n. (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
151. Advocates for legal reform hear less harsh words from their
n. someone who expresses opinions about the quality of books, music, etc.
ANSWERS: 144. Capitalism, 145. bang, 146. massive, 147. techno, 148. rip, 149. reuse, 150. petri, 151. critics

185.	The company's hiring criteria emphasize personality, not a person's
n.	the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
186.	The country has oil and natural gas resources.
adj.	present in great quantity
187.	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
188.	Please the assignment to me.
<i>v</i> .	to give or offer a document, proposal, etc. to a decision-maker for examination or consideration
189.	This artwork is of her work.
adj.	having the usual characteristics or traits of a specific group of things
190.	To advance this discussion, we must "success" rigorously.
<i>v</i> .	to state or explain precisely the nature, scope, or meaning of something
191.	The superhero wore a flowing as part of their costume.
n.	a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
192.	This company its battery problem completely.
<i>v</i> .	to find a suitable answer to the problems or difficulty
	WERS: 185. background, 186. abundant, 187. carbon, 188. submit, 189. typical, define, 191. cape, 192. resolves

Vocab-l	Builder Ref from "Charles C. Mann: How will we survive when the population hits 10 billion? TED Talk" (202 words
201.	The gut is a major producer of serotonin, which is necessary for human mental stability.
n.	the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
202. n.	In junior high school, we had to dissect a frog in class. the scientific study of life and the natural processes of living things
ANS	WERS: 201. microbiome, 202. biology