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Vocabulary Builder Reference from...

Michael Shellenberger: How fear of nuclear power is hurting the environment | TED Talk

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

All Words

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Session 1: Word List

revolution

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

synonym: coup, innovation, rebellion

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

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

panel

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

synonym: board, commission, discussion

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

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

driveway

n. a private road leading from a street or road to a house or garage, typically providing access for vehicles

synonym: entrance, access, approach

(1) long **driveway**, (2) snow-covered **driveway**

I accidentally backed into my wife's car while backing out of

the **driveway** this morning.

committed

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

synonym : devoted, faithful, attached

(1) in a **committed** relationship, (2) strong and **committed** sales staff

Our company is strongly **committed** to meeting customers' needs.

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.

comeback

n. a return to popularity, success, or performance after a decline or period of inactivity; a quick, witty response to a criticism or insult

synonym : return, resurgence, revival

(1) political **comeback**, (2) career **comeback**

The musician made an impressive **comeback** with their latest album.

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.

react

v. to take action in response to something

synonym : respond, reply, oppose

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

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

melt

v. to turn from something solid into something soft or liquid as a result of heating

synonym: disintegrate, soften, disappear

(1) **melt** the ice, (2) **melt** down gold

Her resistance **melted** under his persuasion.

coal

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

synonym: ember

(1) a **coal-fired** ship, (2) construction of new **coal** plants

We combust **coal** and other fossil fuels to generate electricity.

colleague

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

synonym: coworker, associate, fellow

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

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

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

dive

v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

synonym: dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

skeptical

adj. doubting that something is accurate or useful

synonym: doubtful, distrustful, suspicious

(1) a **skeptical** attitude, (2) **skeptical** scientists
His religious and philosophical beliefs were utterly **skeptical**.

electrify

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

synonym: wire, amaze, astonish

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

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

percentage

n. the number, amount, or rate of something, which is
usually the amount per hundred

synonym: rate, ratio, portion

(1) the **percentage** of the gold content, (2) a high
percentage

What is the **percentage** of the consumption tax in the United
States?

decline

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

synonym: descend, drop, deny

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

As people age, their digestive capacity also gradually
declines.

climate

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

synonym: atmosphere, weather, environment

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

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

opposition

n. 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.

equivalent

n. having the same value, quality, meaning, purpose, etc.
synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning
The European Central Bank is Europe's **equivalent** of the Federal Reserve.

canyon

n. a large deep valley with very steep sides of rock and usually formed by a river

synonym: gorge, valley, ravine

(1) twisty **canyon** road, (2) **canyon** of skyscrapers
The Grand **Canyon** has an awe-inspiring sight.

topaz

n. a precious gemstone that is typically colorless or pale yellow in its pure form but can also be found in various colors, often used in jewelry and valued for its clarity and brilliance

(1) **topaz** jewelry, (2) pink **topaz**

She wore a stunning necklace adorned with a large **topaz** gemstone.

fossil

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

synonym: relic, remnant, antediluvian

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

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

fuel

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

synonym: energy, power, gas

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

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

sector

dung

n. solid waste from animals, especially from large animals such as cattle and horses; (verb) to fertilize or dress with animals' excrement

synonym: excrement, droppings, manure

(1) ball of **dung**, (2) **dung** the land

You can see the horse **dung** on the country road.

charcoal

n. a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking

synonym: carbon, soot, black

(1) **charcoal** brown, (2) **charcoal** grill

The artist used **charcoal** drawing to create a realistic portrait of her subject.

modern

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

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

absolute

adj. perfect or complete or to the most considerable degree possible

synonym: complete, infrangible, indisputable

(1) **absolute** loyalty, (2) an **absolute** must

Gandhi had an **absolute** zeal for nonviolence.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

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

Most countries prohibit sexual activity between certain close **relatives**.

stride

v. to walk with long steps in a particular direction; (noun) an important and positive progress

synonym : step, walk, march

(1) **stride** across a room, (2) **stride** down a slope

She **strides** confidently across the stage to accept her award.

combine

v. to join or merge to form a single thing or group

synonym : coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

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

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

premature

adj. occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy

synonym : prematurely born, untimely, early

(1) **premature** birth, (2) **premature** death

The **premature** baby was small but healthy.

retire

v. to withdraw from one's position or occupation, especially because of age

synonym : relinquish, step down, withdraw

(1) **retire** voluntarily, (2) **retire** after four terms

After working for the company for 30 years, she decided to **retire** from her job.

entirely

adv. completely

synonym : completely, fully, totally

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

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

replace

v. to take the place of something

synonym: substitute, supersede, displace

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

consequence

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

synonym: result, impact, outcome

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

These economic activities had disastrous environmental **consequences**.

wipe

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

synonym: clean, brush, swab

(1) **Wipe** off dirt, (2) **wipe** with water

Please **wipe** your sweat with this towel.

emission

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

synonym: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

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

nation

n. 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.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym: bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

commitment

n. a promise or firm decision to do something or to behave in a certain way

synonym: burden, obligation, promise

(1) a **commitment** to an alliance, (2) meet his **commitments**

His business **commitments** took him to the United States.

solar

adj. of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

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

battery

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

synonym: electric cell, array, batch

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

The engine did not start because the **battery** was flat.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

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.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering
Actuators convert **electrical** pulses into motion.

grid

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

synonym: gridiron, battery grid, power system

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

Grid pattern roads often appear in urban areas.

leak

v. to allow liquid or gas to get in or out from a hole or crack in a pipe or container

synonym: outflow, divulge, disclose

(1) **leak** data, (2) **leak** a classified memo

He **leaked** serious accounting irregularities that only people in the company's executive could know.

methane

n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five employees.

release

v. to set free or allow to escape from confinement

synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO₂ into the air

The animal rights group worked to **release** the dolphins back into the wild.

watt

n. a standard unit for measuring electrical power

(1) 30- **watt** light bulb, (2) **watt** per square meter

Several hectares of land are needed to generate more than 1-mega **watt** solar power.

develop

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

synonym: evolve, progress, advance

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

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

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

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

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

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.

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.

pace

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

synonym: gait, rate, speed

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

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

consistent

adj. always behaving or happening in the same way, or having the same thoughts, standards, etc.

synonym: coherent, constant, compatible

(1) do on a **consistent** basis, (2) get **consistent** results
You are not **consistent** in your behavior.

crisis

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

synonym: concern, problem, emergency

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

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

survey

n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions

synonym: study, examination, poll

(1) a comprehensive **survey**, (2) recent **survey**

That **survey** shows that people are accepting the tax increase to some extent.

unconscious

adj. in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness

synonym: comatose, paralyzed, senseless

(1) **unconscious** bias, (2) a person who is **unconscious**

I know his **unconscious** habit that he touches his face when he lies.

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

synonym: harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment

During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

association

n. a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

synonym : affiliation, collaboration, society

(1) word **associations**, (2) a scholarship **association**

His membership in the **association** provided him with numerous benefits.

technological

adj. based on scientific and industrial progress

synonym : specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many industries.

advance

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

synonym : progress, boost, come along

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

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

entrepreneur

n. an individual who creates or invests in one or more businesses, especially when this involves taking financial risks

synonym : founder, executive

(1) a successful **entrepreneur**, (2) billionaire **entrepreneur**

Entrepreneurs willingly accept business risks to achieve success.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym : thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

thorium

n. a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors

synonym : Th, radioactive element

(1) **thorium** deposit, (2) **thorium** reactor

Certain isotopes of **thorium** are used in medicine for treating liver cancer.

crank

n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

synonym: eccentric, oddball, kook

(1) **crank** handle, (2) **crank** caller

The fishing reel had a **crank** that made it easy to reel in the catch.

assembly

n. a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country

synonym: crowd, gathering, mass

(1) **assembly** line, (2) **assembly** hall

This company's **assembly** plant is an enormous facility.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict
Internet traffic volumes have increased significantly with the advent of **smartphones**.

exciting

adj. causing a lot of interest or excitement

synonym: exhilarating, stimulating, thrilling

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

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

bunch

n. a grouping of several similar things which are growing or fastened together

synonym: group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

timeline

n. a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

synonym: agenda, timetable, chronology

(1) **timeline** of science history, (2) lay out a **timeline**

He imposed a **timeline** on the project.

molten

adj. in a liquid state as a result of being heated

synonym: melted, liquefied, fused

(1) a **molten** image, (2) **molten** lava

The **molten** metal was poured into the mold.

excuse

n. a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt

synonym: apology, justification, reason

(1) **excuse** for inaction, (2) perfect **excuse**

He quickly fabricated an **excuse** for not attending the meeting.

polluted

adj. contaminated with harmful or poisonous substances

synonym: contaminated, poisoned, unclean

(1) **polluted** air, (2) cadmium- **polluted** area

The river was **polluted** with chemicals, causing harm to the wildlife.

depart

v. to go away or leave, especially to start a journey

synonym: go away, leave, vacate

(1) arrive and **depart** on time, (2) **depart** from the faith

We **departed** before the temperature fell below zero.

forthcoming

adj. likely to happen or be available soon

synonym: imminent, upcoming, anticipated

(1) in the **forthcoming** week, (2) **forthcoming** book

The **forthcoming** election is causing a lot of tension and uncertainty.

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?

skip

v. to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do

synonym: bounce, spring, neglect

(1) **skip** across the country, (2) **skip** breakfast

We **skipped** the topic because it was too complicated.

commercialize

v. to make something available for sale or use on a large scale

synonym: monetize, capitalize, marketize

(1) **commercialize** my patents, (2) **commercialize** idea

The company is trying to **commercialize** its new product.

temperature

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

synonym: climate, warmth, degree

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

temperature

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

bulky

adj. taking up much space or being difficult to move because of its size or weight; large and unwieldy

synonym: large, cumbersome, unwieldy

(1) **bulky** material, (2) **bulky** packaging

The **bulky** furniture made it difficult to move around the small room.

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.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym : complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

government

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

synonym : administration, regime, state

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

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

internal

adj. of or relating to the inside of something

synonym : interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

lifetime

n. the duration of someone's life or something's existence;

synonym : lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport

She had lived through two world wars in her **lifetime**.

mention

v. to speak or write about something or someone briefly

synonym : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery

store earlier that day.

reduction

n. a decrease in size, amount, or degree

synonym: diminution, decrease, cutback

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

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

suppose

v. to think that something is likely to be actual or possible

synonym: guess, assume, presume

(1) **suppose** you're right, (2) **suppose** beforehand

What do you **suppose** the culprit's motive was?

offline

adj. not connected to the internet

synonym: disconnected, not connected, unplugged

(1) **offline** course, (2) **offline** mode

The computer is **offline** and cannot be accessed at the moment.

startling

adj. extremely surprising, astonishing, and sometimes worrying

synonym: alarming, astonishing, shocking

(1) **startling** earthquake shocks, (2) **startling** discovery

He describes the story with **startling** reality.

medical

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

synonym: health, disease, treatment

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

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

journal

n. a newspaper or magazine specialized in a specific topic or profession

synonym: periodical, diary, bulletin

(1) scientific **journal**, (2) **journal** articles

The physician is reading the **journals** related to medicine

lancet

n. a sharp, pointed surgical instrument used for making incisions or punctures, typically in medical procedures

synonym: scalpel, blade, surgical instrument

(1) **lancet** device, (2) surgical **lancet**

The doctor used a **lancet** for a small incision on the patient's skin.

reliable

adj. worthy of being relied on; trustworthy

synonym: dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

scared

adj. afraid or frightened

synonym: frightened, fearful, dreading

(1) **scared** all the time, (2) **scared** dog

I'm **scared** of insects.

accident

n. an unfortunate event, especially one causing damage or injury

synonym: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

organization

n. a group of people who work together for a shared purpose

synonym: association, institution, community

(1) **organization** chart, (2) agricultural **organization**

She is the president of a large international **organization**.

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.

panic

n. a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action

synonym : confusion, hysteria, consternation

(1) a **panic** reaction, (2) **panic** buying

The participation of oil-producing countries in the war caused **panic** in the financial markets.

radiation

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

synonym : dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

stack

n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

synonym : accumulation, heap, pile

(1) high **stack**, (2) a large **stack** of paper

The earthquake caused a **stack** of lumber to crumble noisily.

poisonous

adj. containing or producing toxic substances; harmful or dangerous to living beings, often causing illness, injury, or death; capable of causing serious harm or destruction

synonym : toxic, venomous, deadly

(1) **poisonous** plants, (2) **poisonous** chemicals

Some species of **poisonous snakes** can be deadly to humans if bitten.

monitor

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

synonym : proctor, check, observe

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

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

contrast

v. to put in opposition to show or emphasize differences
synonym: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things
It's intriguing to compare and **contrast** the two authors.

pollution

n. the introduction of harmful substances or waste into the natural environment that causes adverse change

synonym: corrosion, deterioration, corruption

(1) environmental **pollution**, (2) high levels of air **pollution**
The **pollution** is endangering the local plants and animals.

threaten

v. to utter intentions of injury or punishment against someone

synonym: endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

rid

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

synonym: do away with, free, clear

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

plutonium

n. a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts

synonym: Pu, radioactive metal

(1) **plutonium** reactor, (2) **plutonium** contamination

The disposal of **plutonium** waste is a major environmental challenge.

warhead

n. the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation

synonym : payload, explosive

(1) **warhead** missile, (2) nuclear **warhead**

The missile launch was successful, and the **warhead** hit its intended target.

appreciate

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

synonym : acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value

We would **appreciate** an early reply.

efficiency

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

synonym : effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**

Our company must continue to strive for greater **efficiency**.

conservation

n. 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.

accelerate

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

synonym : speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

triple

adj. consisting of three items or people; three times as great or many

synonym : threefold

(1) a **triple** mirror, (2) **triple** digits

His coach is a **triple** Olympic champion.

overcome

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

synonym: beat, confound, overwhelm

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

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

Session 2: Spelling

- | | |
|-----------------------------------|--|
| 1. equ_____nt amounts | <i>n.</i> having the same value, quality, meaning, purpose, etc. |
| 2. mo____n poetry | <i>adj.</i> of or belonging to the present time or recent times |
| 3. tr____e digits | <i>adj.</i> consisting of three items or people; three times as great or many |
| 4. th_____m deposit | <i>n.</i> a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors |
| 5. re_____e one word with another | <i>v.</i> to take the place of something |
| 6. su_____e beforehand | <i>v.</i> to think that something is likely to be actual or possible |
| 7. v__t desert | <i>adj.</i> enormous in size, number, amount, or quantity |
| 8. a cold cl_____e | <i>n.</i> the weather in a particular location averaged over some long period |
| 9. a bu__h of trees | <i>n.</i> a grouping of several similar things which are growing or fastened together |
| 10. ba_____y charging | <i>n.</i> a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them |
| 11. exposure to ra_____on | <i>n.</i> the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health |

ANSWERS: 1. equivalent, 2. modern, 3. triple, 4. thorium, 5. replace, 6. suppose, 7. vast, 8. climate, 9. bunch, 10. battery, 11. radiation

- | | | |
|---------------------------------|------|--|
| 12. th____en national security | v. | to utter intentions of injury or punishment against someone |
| 13. de____y troops for battle | v. | to move troops or weapons into a position or military action; to bring into something in an effective way |
| 14. long dr____ay | n. | a private road leading from a street or road to a house or garage, typically providing access for vehicles |
| 15. a mo____n image | adj. | in a liquid state as a result of being heated |
| 16. w__t per square meter | n. | a standard unit for measuring electrical power |
| 17. d__e into anime communities | v. | to jump into the water with your head and arms going in first, or to move down to a deeper level underwater |
| 18. a scholarship ass____on | n. | a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship |
| 19. surgical la____t | n. | a sharp, pointed surgical instrument used for making incisions or punctures, typically in medical procedures |
| 20. ex____e rebellion | v. | to make someone feel suddenly enthusiastic or eager |
| 21. de____p a strategy | v. | to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created |

ANSWERS: 12. threaten, 13. deploy, 14. driveway, 15. molten, 16. watt, 17. dive, 18. association, 19. lancet, 20. excite, 21. develop

22. st_____ng earthquake shocks *adj.* extremely surprising, astonishing, and sometimes worrying
23. jo_____l articles *n.* a newspaper or magazine specialized in a specific topic or profession
24. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
25. reduce me_____e emissions *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
26. ex_____ng football player *adj.* causing a lot of interest or excitement
27. agricultural org_____ion *n.* a group of people who work together for a shared purpose
28. li_____me benefits *n.* the duration of someone's life or something's existence;
29. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
30. as_____ly hall *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
31. burning of fo_____l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
32. atmospheric me_____e *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

ANSWERS: 22. startling, 23. journal, 24. rid, 25. methane, 26. exciting, 27. organization, 28. lifetime, 29. efficient, 30. assembly, 31. fossil, 32. methane

33. me____n in a report *v.* to speak or write about something or someone briefly
34. s__p across the country *v.* to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
35. en____ly satisfied with the meal *adv.* completely
36. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
37. de___y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
38. ch____al grill *n.* a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking
39. com_____ize idea *v.* to make something available for sale or use on a large scale
40. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
41. da___e a relationship *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 33. mention, 34. skip, 35. entirely, 36. consequence, 37. deploy, 38. charcoal, 39. commercialize, 40. colleague, 41. damage

42. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
43. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
44. re___e after four terms *v.* to withdraw from one's position or occupation, especially because of age
45. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
46. a com_____nt to an alliance *n.* a promise or firm decision to do something or to behave in a certain way
47. use of nu_____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
48. li_____me ban from the sport *n.* the duration of someone's life or something's existence;
49. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
50. tec_____cal policy *adj.* based on scientific and industrial progress
51. twisty ca___n road *n.* a large deep valley with very steep sides of rock and usually formed by a river
52. get con_____nt results *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.

ANSWERS: 42. carbon, 43. germ, 44. retire, 45. smartphone, 46. commitment, 47. nuclear, 48. lifetime, 49. medical, 50. technological, 51. canyon, 52. consistent

53. a person who is unc_____us *adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
54. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
55. dem_____te mastery *v.* to display something or give an exhibition to an interested audience
56. ob_____s reasons *adj.* easy to see, discover or understand
57. nu_____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
58. a comprehensive su____y *n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
59. s__p breakfast *v.* to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
60. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
61. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
62. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 53. unconscious, 54. opposition, 55. demonstrate, 56. obvious, 57. nuclear, 58. survey, 59. skip, 60. grid, 61. smartphone, 62. accelerate

63. construction of new c__l plants *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
64. an ab_____te must *adj.* perfect or complete or to the most considerable degree possible
65. in a co_____ed relationship *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
66. v__t majority *adj.* enormous in size, number, amount, or quantity
67. gov_____nt funding *n.* the group of people with authority to control a country or state
68. da___e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
69. mo_____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
70. the so__r system *adj.* of, from, or relating to the sun
71. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
72. in the for_____ng week *adj.* likely to happen or be available soon
73. better fuel eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money

ANSWERS: 63. coal, 64. absolute, 65. committed, 66. vast, 67. government, 68. damage, 69. monitor, 70. solar, 71. excite, 72. forthcoming, 73. efficiency

74. billionaire ent_____eur *n.* an individual who creates or invests in one or more businesses, especially when this involves taking financial risks
75. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
76. a bu__h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
77. a c__l-fired ship *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
78. pl_____um contamination *n.* a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts
79. ab_____te loyalty *adj.* perfect or complete or to the most considerable degree possible
80. st___e down a slope *v.* to walk with long steps in a particular direction; (noun) an important and positive progress
81. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
82. pl_____um reactor *n.* a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts

ANSWERS: 74. entrepreneur, 75. statistics, 76. bunch, 77. coal, 78. plutonium, 79. absolute, 80. stride, 81. efficient, 82. plutonium

83. guarantee re____le delivery *adj.* worthy of being relied on; trustworthy
84. co____st with a decade ago *v.* to put in opposition to show or emphasize differences
85. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
86. re_____on strategy *n.* a decrease in size, amount, or degree
87. su_____e you're right *v.* to think that something is likely to be actual or possible
88. pink to__z *n.* a precious gemstone that is typically colorless or pale yellow in its pure form but can also be found in various colors, often used in jewelry and valued for its clarity and brilliance
89. l__k a classified memo *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
90. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
91. m__t down gold *v.* to turn from something solid into something soft or liquid as a result of heating
92. for_____ng book *adj.* likely to happen or be available soon
93. pa__c buying *n.* a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
94. pr_____re birth *adj.* occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy

ANSWERS: 83. reliable, 84. contrast, 85. equivalent, 86. reduction, 87. suppose, 88. topaz, 89. leak, 90. temperature, 91. melt, 92. forthcoming, 93. panic, 94. premature

95. ch_____al brown *n.* a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking
96. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
97. re_____e a prisoner *v.* to set free or allow to escape from confinement
98. im_____e the test score *v.* to make or become better
99. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
100. ov_____me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
101. the per_____ge of the gold content *n.* the number, amount, or rate of something, which is usually the amount per hundred
102. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
103. injury in a car ac_____nt *n.* an unfortunate event, especially one causing damage or injury
104. in_____al organs *adj.* of or relating to the inside of something
105. po_____ed air *adj.* contaminated with harmful or poisonous substances
106. beginning of the industrial
rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

ANSWERS: 95. charcoal, 96. opposition, 97. release, 98. improve, 99. appreciate, 100. overcome, 101. percentage, 102. medical, 103. accident, 104. internal, 105. polluted, 106. revolution

107. a successful ent_____eur *n.* an individual who creates or invests in one or more businesses, especially when this involves taking financial risks
108. de___t from the faith *v.* to go away or leave, especially to start a journey
109. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
110. cr___s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
111. com_____ize my patents *v.* to make something available for sale or use on a large scale
112. de_____e in quality *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
113. th_____m reactor *n.* a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors
114. the in_____al economy *adj.* of or relating to the inside of something
115. recent su___y *n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
116. re_____le access *adj.* worthy of being relied on; trustworthy
117. ov_____me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

ANSWERS: 107. entrepreneur, 108. depart, 109. nation, 110. crisis, 111. commercialize, 112. decline, 113. thorium, 114. internal, 115. survey, 116. reliable, 117. overcome

118. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
119. a sk_____al attitude *adj.* doubting that something is accurate or useful
120. re___e voluntarily *v.* to withdraw from one's position or occupation, especially because of age
121. degree in ele_____al engineering *adj.* relating to electricity
122. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
123. arrive and de___t on time *v.* to go away or leave, especially to start a journey
124. co_____e augmented reality *v.* to join or merge to form a single thing or group
125. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
126. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
127. to__z jewelry *n.* a precious gemstone that is typically colorless or pale yellow in its pure form but can also be found in various colors, often used in jewelry and valued for its clarity and brilliance
128. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
129. lay out a ti_____ne *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

ANSWERS: 118. release, 119. skeptical, 120. retire, 121. electrical, 122. monitor, 123. depart, 124. combine, 125. decide, 126. fuel, 127. topaz, 128. government, 129. timeline

130. de____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
131. the con_____ion 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
132. org_____ion chart *n.* a group of people who work together for a shared purpose
133. strong and co_____ed sales staff *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
134. his conclusion was ob_____s *adj.* easy to see, discover or understand
135. co_____st two things *v.* to put in opposition to show or emphasize differences
136. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
137. re__t against his way of thinking *v.* to take action in response to something
138. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
139. a tr___e mirror *adj.* consisting of three items or people; three times as great or many
140. a dry ba_____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

ANSWERS: 130. develop, 131. conservation, 132. organization, 133. committed, 134. obvious, 135. contrast, 136. nation, 137. react, 138. temperature, 139. triple, 140. battery

141. bu__y material *adj.* taking up much space or being difficult to move because of its size or weight; large and unwieldy
142. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
143. sc___d all the time *adj.* afraid or frightened
144. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
145. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
146. a remote re_____ve *adj.* considered and evaluated through comparison with something else
147. unc_____us bias *adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
148. as_____ly line *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
149. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
150. ti_____ne of science history *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

ANSWERS: 141. bulky, 142. germ, 143. scared, 144. emission, 145. climate, 146. relative, 147. unconscious, 148. assembly, 149. dive, 150. timeline

151. co____e chemically with another substance *v.* to join or merge to form a single thing or group
152. re__t at a high temperature *v.* to take action in response to something
153. ad____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
154. st____e across a room *v.* to walk with long steps in a particular direction; (noun) an important and positive progress
155. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
156. scientific jo____l *n.* a newspaper or magazine specialized in a specific topic or profession
157. ex____e for inaction *n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt
158. cost of solar pa__ls *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
159. snow-covered dr____ay *n.* a private road leading from a street or road to a house or garage, typically providing access for vehicles
160. 30-w__t light bulb *n.* a standard unit for measuring electrical power

ANSWERS: 151. combine, 152. react, 153. advance, 154. stride, 155. consequence, 156. journal, 157. excuse, 158. panel, 159. driveway, 160. watt

161. th____en a healthy relationship *v.* to utter intentions of injury or punishment against someone
162. po_____us chemicals *adj.* containing or producing toxic substances; harmful or dangerous to living beings, often causing illness, injury, or death; capable of causing serious harm or destruction
163. re_____e a phone *v.* to take the place of something
164. word ass_____ons *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
165. st_____ng discovery *adj.* extremely surprising, astonishing, and sometimes worrying
166. ad_____e the technology *v.* to go or move forward; to develop in a positive way
167. a so__r eclipse *adj.* of, from, or relating to the sun
168. re_____ve factors *adj.* considered and evaluated through comparison with something else
169. ca____n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
170. ex_____ng news *adj.* causing a lot of interest or excitement
171. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 161. threaten, 162. poisonous, 163. replace, 164. association, 165. startling, 166. advance, 167. solar, 168. relative, 169. carbon, 170. exciting, 171. electrify

172. l__k data *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
173. a gradual re_____on *n.* a decrease in size, amount, or degree
174. pa__l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
175. a large st__k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
176. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
177. nuclear wa_____d *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
178. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
179. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
180. he was en_____ly to blame *adv.* completely
181. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

ANSWERS: 172. leak, 173. reduction, 174. panel, 175. stack, 176. colleague, 177. warhead, 178. modern, 179. radiation, 180. entirely, 181. grid

182. biomass f__l *n.* a substance that is typically burned to generate heat or energy
183. cr__k handle *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
184. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
185. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
186. high levels of air po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
187. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
188. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
189. w__e with water *v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
190. a high per_____ge *n.* the number, amount, or rate of something, which is usually the amount per hundred

ANSWERS: 182. fuel, 183. crank, 184. engineer, 185. complicated, 186. pollution, 187. process, 188. appreciate, 189. wipe, 190. percentage

191. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
192. sk_____al scientists *adj.* doubting that something is accurate or useful
193. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
194. a pa__c reaction *n.* a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
195. cr__k caller *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
196. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
197. mo___n lava *adj.* in a liquid state as a result of being heated
198. high st__k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
199. ca___n of skyscrapers *n.* a large deep valley with very steep sides of rock and usually formed by a river

ANSWERS: 191. process, 192. skeptical, 193. revolution, 194. panic, 195. crank, 196. statistics, 197. molten, 198. stack, 199. canyon

200. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
201. cause an ac_____nt *n.* an unfortunate event, especially one causing damage or injury
202. political co_____ck *n.* a return to popularity, success, or performance after a decline or period of inactivity; a quick, witty response to a criticism or insult
203. la____t device *n.* a sharp, pointed surgical instrument used for making incisions or punctures, typically in medical procedures
204. sc____d dog *adj.* afraid or frightened
205. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
206. de_____e a job offer *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
207. ball of d__g *n.* solid waste from animals, especially from large animals such as cattle and horses; (verb) to fertilize or dress with animals' excrement
208. me_____n name *v.* to speak or write about something or someone briefly
209. tec_____cal advancement *adj.* based on scientific and industrial progress
210. pr_____re death *adj.* occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy

ANSWERS: 200. efficiency, 201. accident, 202. comeback, 203. lancet, 204. scared, 205. complicated, 206. decline, 207. dung, 208. mention, 209. technological, 210. premature

211. wa____d missile *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
212. perfect ex____e *n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt
213. bu__y packaging *adj.* taking up much space or being difficult to move because of its size or weight; large and unwieldy
214. at your own p__e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
215. do on a con_____nt basis *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
216. m__t the ice *v.* to turn from something solid into something soft or liquid as a result of heating
217. d__g the land *n.* solid waste from animals, especially from large animals such as cattle and horses; (verb) to fertilize or dress with animals' excrement
218. cadmium-po_____ed area *adj.* contaminated with harmful or poisonous substances
219. environmental po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change

ANSWERS: 211. warhead, 212. excuse, 213. bulky, 214. pace, 215. consistent, 216. melt, 217. dung, 218. polluted, 219. pollution

220. im____e a process *v.* to make or become better
221. the runner's p__e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
222. career co____ck *n.* a return to popularity, success, or performance after a decline or period of inactivity; a quick, witty response to a criticism or insult
223. meet his com_____nts *n.* a promise or firm decision to do something or to behave in a certain way
224. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
225. W__e off dirt *v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
226. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
227. soil con_____ion *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
228. of_____e mode *adj.* not connected to the internet
229. dem_____te a difference *v.* to display something or give an exhibition to an interested audience
230. of_____e course *adj.* not connected to the internet
231. an ele_____al storm *adj.* relating to electricity

ANSWERS: 220. improve, 221. pace, 222. comeback, 223. commitment, 224. fossil, 225. wipe, 226. engineer, 227. conservation, 228. offline, 229. demonstrate, 230. offline, 231. electrical

232. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
233. get r_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
234. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
235. financial cr____s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
236. po_____us plants *adj.* containing or producing toxic substances; harmful or dangerous to living beings, often causing illness, injury, or death; capable of causing serious harm or destruction
237. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
238. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 232. electrify, 233. rid, 234. emission, 235. crisis, 236. poisonous, 237. decide, 238. accelerate

Session 3: Fill in the Blanks

1. The missile launch was successful, and the _____ hit its intended target.
n. the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
2. The _____ by the citizen resulted in a redistribution of wealth.
n. a large-scale attempt to overthrow the government of a country, often using violence or war;
3. The fishing reel had a _____ that made it easy to reel in the catch.
n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
4. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
5. The computer is _____ and cannot be accessed at the moment.
adj. not connected to the internet
6. What do you _____ the culprit's motive was?
v. to think that something is likely to be actual or possible
7. She _____ confidently across the stage to accept her award.
v. to walk with long steps in a particular direction; (noun) an important and positive progress
8. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 1. warhead, 2. revolution, 3. crank, 4. engineer, 5. offline, 6. suppose, 7. strides, 8. nation

9. _____ panels have greatly improved not only in performance but also in durability.
adj. of, from, or relating to the sun
10. The _____ in carbon emissions has been significant since the implementation of the new policy.
n. a decrease in size, amount, or degree
11. He quickly fabricated an _____ for not attending the meeting.
n. a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt
12. That _____ shows that people are accepting the tax increase to some extent.
n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
13. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
14. The ignition of _____ gas in the plant killed five employees.
n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
15. What is the _____ of the consumption tax in the United States?
n. the number, amount, or rate of something, which is usually the amount per hundred
16. We must _____ ourselves of pollution.
v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

ANSWERS: 9. Solar, 10. reduction, 11. excuse, 12. survey, 13. exciting, 14. methane, 15. percentage, 16. rid

17. It's intriguing to compare and _____ the two authors.

v. to put in opposition to show or emphasize differences

18. The _____ of his idea came from watching birds flying in flocks.

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

19. How did he _____ to your idea?

v. to take action in response to something

20. She couldn't _____ whether to order the pizza or the pasta for dinner.

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

21. Trains are _____ inexpensive, and ideal for long-distance travel.

adj. worthy of being relied on; trustworthy

22. The _____ is endangering the local plants and animals.

n. the introduction of harmful substances or waste into the natural environment that causes adverse change

23. His coach is a _____ Olympic champion.

adj. consisting of three items or people; three times as great or many

24. I accidentally backed into my wife's car while backing out of the _____ this morning.

n. a private road leading from a street or road to a house or garage, typically providing access for vehicles

ANSWERS: 17. contrast, 18. germ, 19. react, 20. decide, 21. reliable, 22. pollution, 23. triple, 24. driveway

25. The participation of oil-producing countries in the war caused _____ in the financial markets.
- n.* a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
26. _____ willingly accept business risks to achieve success.
- n.* an individual who creates or invests in one or more businesses, especially when this involves taking financial risks
27. We want to _____ ties between our two countries.
- v.* to make or become better
28. The _____ furniture made it difficult to move around the small room.
- adj.* taking up much space or being difficult to move because of its size or weight; large and unwieldy
29. Hydrogen and oxygen _____ to form water.
- v.* to join or merge to form a single thing or group
30. The Grand _____ has an awe-inspiring sight.
- n.* a large deep valley with very steep sides of rock and usually formed by a river
31. The physician is reading the _____ related to medicine
- n.* a newspaper or magazine specialized in a specific topic or profession
32. This company's _____ plant is an enormous facility.
- n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country

ANSWERS: 25. panic, 26. Entrepreneurs, 27. improve, 28. bulky, 29. combine, 30. Canyon, 31. journals, 32. assembly

33. He tried to _____ a bad reputation and win the election.

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

34. His business _____ took him to the United States.

- n.* a promise or firm decision to do something or to behave in a certain way

35. Gandhi had an _____ zeal for nonviolence.

- adj.* perfect or complete or to the most considerable degree possible

36. The _____ election is causing a lot of tension and uncertainty.

- adj.* likely to happen or be available soon

37. They used a special receiver to _____ police radio channels.

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

38. The forest was recently designated a _____ area.

- n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

39. The artist used _____ drawing to create a realistic portrait of her subject.

- n.* a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking

40. Please _____ your sweat with this towel.

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

ANSWERS: 33. overcome, 34. commitments, 35. absolute, 36. forthcoming, 37. monitor, 38. conservation, 39. charcoal, 40. wipe

41. She had lived through two world wars in her _____.
- n.* the duration of someone's life or something's existence;
42. Several hectares of land are needed to generate more than 1-mega_____ solar power.
- n.* a standard unit for measuring electrical power
43. The doctor used a _____ for a small incision on the patient's skin.
- n.* a sharp, pointed surgical instrument used for making incisions or punctures, typically in medical procedures
44. Cities around the world set records for highest _____ this summer.
- n.* the degree of hotness or coldness of a thing or place
45. Some species of _____ can be deadly to humans if bitten.
- adj.* containing or producing toxic substances; harmful or dangerous to living beings, often causing illness, injury, or death; capable of causing serious harm or destruction
46. The _____ for applying for a visa can be lengthy and complicated.
- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
47. Eventually, the new design will _____ all older models.
- v.* to take the place of something
48. A _____ audience viewed the broadcast.
- adj.* enormous in size, number, amount, or quantity

ANSWERS: 41. lifetime, 42. watt, 43. lancet, 44. temperatures, 45. poisonous snakes, 46. process, 47. replace, 48. vast

49. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.
50. His religious and philosophical beliefs were utterly _____.
adj. doubting that something is accurate or useful
51. He describes the story with _____ reality.
adj. extremely surprising, astonishing, and sometimes worrying
52. He did _____ pen-and-ink drawings in just a few days.
adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
53. Most countries prohibit sexual activity between certain close _____.
adj. considered and evaluated through comparison with something else
54. Actuators convert _____ pulses into motion.
adj. relating to electricity
55. The sperm whale can _____ to 1,000 meters.
v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
56. This country _____ its weapons in the east region.
v. to move troops or weapons into a position or military action; to bring into something in an effective way
57. The product developed through years of research continues to _____ the market.
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 49. equivalent, 50. skeptical, 51. startling, 52. complicated, 53. relatives, 54. electrical, 55. dive, 56. deployed, 57. electrify

58. A _____ of economic advisers from the United States visited the country to help rebuild its economy.
- n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
59. As people age, their digestive capacity also gradually _____.
- v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
60. The company is trying to _____ its new product.
- v.* to make something available for sale or use on a large scale
61. He imposed a _____ on the project.
- n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom
62. It was the _____ of a dinosaur tooth.
- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
63. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.
- n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
64. The river was _____ with chemicals, causing harm to the wildlife.
- adj.* contaminated with harmful or poisonous substances
65. The federal _____ is planning to increase taxes for the next fiscal year.
- n.* the group of people with authority to control a country or state

ANSWERS: 58. panel, 59. declines, 60. commercialize, 61. timeline, 62. fossil, 63. crisis, 64. polluted, 65. government

66. We would _____ an early reply.

- v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone

67. I know his _____ habit that he touches his face when he lies.

- adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness

68. How can you _____ that the earth is a sphere?

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

69. _____ pattern roads often appear in urban areas.

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

70. The _____ scarcity most severely impacted the manufacturing sector

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

71. He _____ serious accounting irregularities that only people in the company's executive could know.

- v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container

72. We _____ before the temperature fell below zero.

- v.* to go away or leave, especially to start a journey

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

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

ANSWERS: 66. appreciate, 67. unconscious, 68. demonstrate, 69. Grid, 70. fuel, 71. leaked, 72. departed, 73. develop

74. The _____ team worked quickly to save the patient's life.

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

75. Certain isotopes of _____ are used in medicine for treating liver cancer.

n. a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors

76. The earthquake caused a _____ of lumber to crumble noisily.

n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

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

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

78. We _____ the topic because it was too complicated.

v. to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do

79. The _____ baby was small but healthy.

adj. occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy

80. The government tried to _____ the commercialization of this development.

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

81. Their headquarters are in a _____ skyscraper.

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

ANSWERS: 74. medical, 75. thorium, 76. stack, 77. efficient, 78. skipped, 79. premature, 80. accelerate, 81. modern

82. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
83. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
84. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
85. His membership in the _____ provided him with numerous benefits.
n. a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
86. The news of her promotion _____ her.
v. to make someone feel suddenly enthusiastic or eager
87. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
88. The disposal of _____ waste is a major environmental challenge.
n. a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts
89. The _____ metal was poured into the mold.
adj. in a liquid state as a result of being heated
90. She is the president of a large international _____.
n. a group of people who work together for a shared purpose

ANSWERS: 82. release, 83. advance, 84. Technological, 85. association, 86. excited, 87. mentioned, 88. plutonium, 89. molten, 90. organization

91. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
92. Various artificially induced causes are _____ our ecosystem.
- v.* to utter intentions of injury or punishment against someone
93. The musician made an impressive _____ with their latest album.
- n.* a return to popularity, success, or performance after a decline or period of inactivity; a quick, witty response to a criticism or insult
94. _____ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period
95. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.
- v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
96. There are five distinct _____ at five unique wavelengths.
- n.* the act of production or sending out gas, heat, light, etc.
97. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet
98. She wore a stunning necklace adorned with a large _____ gemstone.
- n.* a precious gemstone that is typically colorless or pale yellow in its pure form but can also be found in various colors, often used in jewelry and valued for its clarity and brilliance

ANSWERS: 91. radiation, 92. threatening, 93. comeback, 94. Climate, 95. damage, 96. emissions, 97. smartphones, 98. topaz

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

adv. completely

100. We combust _____ and other fossil fuels to generate electricity.

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

101. The _____ partially destroyed my vehicle.

n. an unfortunate event, especially one causing damage or injury

102. The _____ demonstrate that poverty and unemployment are genuine problems.

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

103. These economic activities had disastrous environmental _____.

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

104. Her resistance _____ under his persuasion.

v. to turn from something solid into something soft or liquid as a result of heating

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

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

106. Our company is strongly _____ to meeting customers' needs.

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

ANSWERS: 99. entirely, 100. coal, 101. accident, 102. statistics, 103. consequences, 104. melted, 105. efficiency, 106. committed

107. There are _____ differences between the two wine-producing regions.

adj. easy to see, discover or understand

108. I'm _____ of insects.

adj. afraid or frightened

109. After working for the company for 30 years, she decided to _____ from her job.

v. to withdraw from one's position or occupation, especially because of age

110. One bad apple spoils the whole _____.

n. a grouping of several similar things which are growing or fastened together

111. 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

112. 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

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

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

114. The _____ party strongly disagreed with the government's proposed legislation.

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

115. You are not _____ in your behavior.

adj. always behaving or happening in the same way, or having the same thoughts, standards, etc.

ANSWERS: 107. obvious, 108. scared, 109. retire, 110. bunch, 111. carbon, 112. nuclear, 113. colleague, 114. opposition, 115. consistent

116. You can see the horse _____ on the country road.

n. solid waste from animals, especially from large animals such as cattle and horses; (verb) to fertilize or dress with animals' excrement

117. The prime minister canceled visits to other countries to resolve _____ disputes.

adj. of or relating to the inside of something

118. The economy is growing at a supercharged _____.

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

119. The engine did not start because the _____ was flat.

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

ANSWERS: 116. dung, 117. internal, 118. pace, 119. battery