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Vocabulary Builder Reference from...

Kelly Wanser: Emergency medicine for our climate fever | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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.

conduct

v. to organize and carry out a particular activity

synonym: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

unintentional

adj. not done or made on purpose; accidental

synonym: accidental, unforeseen, spontaneous

(1) avoid **unintentional** harm, (2) **unintentional** insult

The mistake was **unintentional** and made in good faith.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

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.

sulfur

n. (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

(1) **sulfur** dioxide, (2) **sulfur** mine

The **sulfur** emissions from the nearby factory caused the rotten egg smell.

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.

scrub

v. to clean something thoroughly, typically with a brush and soap or detergent

synonym: clean, wash, sanitize

(1) **scrub** off graffiti, (2) **scrub** dirt from potatoes

She decided to **scrub** the kitchen floor to remove all the dirt and grime.

exhaust

n. the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired

synonym: emission, fumes, (verb) deplete

(1) **exhaust** pipe, (2) **exhaust** a topic

The factory's **exhaust** fumes polluted the air and affected the health of the nearby residents.

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

particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

synonym : atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

marine

adj. relating to the sea and the creatures and plants that live there

synonym : sea-dwelling, maritime, aquatic

(1) **marine** insurance, (2) variety of **marine** life

Seals and whales are **marine** animals beloved by the people.

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.

streak

n. a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual

synonym : strip, band, dash

(1) **streak** of luck, (2) gold **streak**

He had a **streak** of stubbornness that made him difficult to work with.

greenhouse

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

synonym : conservatory

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

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

trap

n. a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

synonym : catch, snare, pinfall

(1) set a **trap**, (2) **trap** an animal

The enemy fell right into the **trap**.

particulate

adj. consisting of small particles, especially those that are suspended in a fluid or air

synonym : granular, dusty

(1) **particulate** size, (2) **particulate** pollution

Smoke from forest fires is causing an increase in **particulate** matter in the air.

temporarily

adv. for a limited time only or not permanently

synonym : for a time

(1) a hut made **temporarily**, (2) **temporarily** suspend the production

Some athletes take anabolic steroids to increase muscle size **temporarily**.

sunlight

n. the light emitted by the sun; the rays of the sun

synonym : daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**
Radiation from **sunlight** has a different wavelength.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym : attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

gradual

adj. happening slowly over a long period of time or distance; not steep or abrupt

synonym : incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

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.

severe

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

synonym : harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

eventually

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

synonym : finally, someday, ultimately

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

The corporation **eventually** dominated the entire tobacco

business.

devastating

adj. causing a great deal of destruction or damage

synonym: destructive, annihilative, disastrous

(1) have **devastating** effects, (2) treat this **devastating** disease

This typhoon was the most **devastating** in years.

shield

n. a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves

synonym: guard, protection, safeguard

(1) a heat **shield**, (2) a **shield** for protecting against a bullet
Lead is an effective **shield** against X-rays, gamma rays, and other harmful radiation.

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.

shock

n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

synonym: amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant**

He got an electric **shock** at work.

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.

diesel

n. a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel

(1) **diesel** engine, (2) **diesel** car

Nearly all tractors operate on **diesel** fuel.

estimate

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

synonym: calculate, gauge, evaluate

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

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

aerosol

n. a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application

synonym: spray, mist, fog

(1) **aerosol** container, (2) **aerosol** can

She waited a few seconds after spraying the **aerosol** insecticide before entering the room.

uncertain

adj. not being sure of something; not being able to choose

synonym: doubtful, skeptical, pending

(1) numerous **uncertain** factors, (2) take an **uncertain** attitude

She was **uncertain** about her friend's intentions.

difficulty

n. a condition or state that causes problems

synonym: hardship, complication, problem

(1) the degree of **difficulty**, (2) **difficulty** in breathing

He has **difficulty** exercising because of a back injury sustained in an accident.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

planet

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

synonym: earth, world, globe

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

disperse

v. to spread out or distribute over a broad region, or to cause something to do so

synonym: dissipate, spread, scatter

(1) **disperse** false information, (2) **disperse** the protesters
Before authorities **dispersed** the protesters, they yelled slogans.

atmosphere

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

synonym: air, ambiance, circumstances

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

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

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.

accidentally

adv. by chance or without planning

synonym: by chance, unintentionally, unwittingly

(1) they met **accidentally**, (2) **accidentally** coincide

He was **accidentally** killed by friendly fire.

fast-acting

adj. describing a substance or product that works rapidly, quickly producing the desired effect or result

synonym : quick-acting, rapid, swift

(1) **fast-acting** energy drink, (2) **fast-acting** insulin

The **fast-acting** medication provided immediate relief for my migraine headache.

emergency

n. a sudden unforeseen crisis usually involving danger that requires immediate action

synonym : crisis, trouble, difficulty

(1) **emergency** action, (2) acute **emergency**

The president declared a state of **emergency**.

medicinal

adj. of or relating to the treatment or cure of disease

synonym : curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

origin

n. the first existence or beginning of something

synonym : root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

simulate

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

synonym : pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario

He had painted the wood to **simulate** stone.

primary

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

synonym : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

assess

v. to judge or decide the nature or quality of someone or something

synonym: estimate, evaluate, consider

(1) **assess** a tax of 10 pounds, (2) **assess** the quality

Our company needs to **assess** the business impact of climate change.

possibility

n. a chance that something may happen or be true

synonym: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

discount

n. a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (*verb*) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price

synonym: sale, reduction, (*verb*) lower

(1) **discount** a draft, (2) **discount** store

I got a massive **discount** on my new laptop during the Black Friday sale.

arctic

adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold

synonym: cold, frozen, polar

(1) **arctic** ice, (2) high **arctic**

Cold temperatures and long, dark winters characterize the **arctic** climate.

viable

adj. capable of being done as intended; able to succeed

synonym: feasible, possible, attainable

(1) achieve a **viable** relationship, (2) develop a **viable** therapy

Male gorillas with good drumming skills are more **viable**.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

atmospheric

adj. about or located in the earth's atmosphere

synonym: atmospherical, climatic

(1) doubling of **atmospheric** carbon dioxide,

(2) **atmospheric** pressure

The sea surface temperature and **atmospheric** circulation are inextricably linked.

offset

v. to compensate for or counterbalance one influence against an opposing influence

synonym: balance, cancel out, countervail

(1) **offset** deposits and withdrawals, (2) **offset** a loss

Strong growth in core business **offsets** losses in other business segments.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

countermeasure

n. an action taken to counter or offset another action
synonym: response, remedy, antidote

(1) **countermeasure** strategy, (2) **countermeasure** plan

The government implemented several **countermeasures** to combat the spread of the virus.

conversation

n. an informal talk between two or more people to exchange their views, ideas, information, etc.

synonym: chat, discussion, dialogue

(1) **conversation** in English, (2) a friendly **conversation**

Your **conversation** reflects your thoughts.

collaboration

n. the act or situation of working together to create or produce something

synonym: affiliation, alliance, coalition

(1) **collaboration** between companies, (2) **collaboration** platform

The partnership program requires a mutual **collaboration** between both agencies.

nonprofit

adj. not established for commercial profit

synonym: charitable

(1) a **nonprofit** organization, (2) **nonprofit** agency

Our law firm also focuses on **nonprofit** activities.

policy

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

synonym: strategy, plan, guideline

(1) health **policy**, (2) foreign **policy**

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

politician

n. a person who is a member of a government or law-making organization, especially as an elected member of parliament, etc.

synonym : congressperson, lawmaker, legislator

(1) a **politician** in the ruling party, (2) a corrupt **politician**
The **politician** lost his position in the end due to the scandal.

technological

adj. based on scientific and industrial progress

synonym : specialized, technical

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

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student
He was known to be very **industrious** and would often work late into the night.

propose

v. to make a proposal, declare a plan for something

synonym : suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes
I want to **propose** a toast in honor of our longstanding relationship.

mist

n. a cloud of very small drops of water collecting in the air just above the ground or water

synonym : fog, murk, haze

(1) **mist** in the morning, (2) fine **mist**
The sun has risen, and the **mist** has faded.

seawater

n. water from the sea or ocean, typically containing salt and various other dissolved minerals

synonym : saltwater, brine, ocean water

(1) **seawater** pollution, (2) **seawater** bacteria
The desalination plant turned **seawater** into drinking water through a complex process.

spray

n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

synonym : mist, aerosol, atomizer

(1) a **spray** of mist, (2) an insect **spray**

The artist used a **spray** paint can to create a graffiti mural on the wall.

susceptible

adj. easily influenced, harmed, or affected by something

synonym : exposed, liable, gullible

(1) a **susceptible** young woman, (2) **susceptible** of proof

Well-stretched muscles are less **susceptible** to injury.

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.

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.

gulf

n. a large ocean inlet or deep bay that is partially enclosed by land

synonym : chasm, divide, abyss

(1) **gulf** war, (2) **gulf** stream

The **Gulf** of Mexico is a body of water in the southern United States.

hurricane

n. a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)

synonym : cyclone, typhoon, storm

(1) a **hurricane** of applause, (2) the ravages of a **hurricane**
The devastating **hurricane** caused widespread damage and left many people homeless.

coral

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

(1) **coral** island, (2) **coral** ornament

She is wearing a **coral** necklace.

reef

n. a long chain or range of rocks or sand near the ocean's surface

(1) barrier **reef**, (2) coral **reefs**

The vessel ran aground on a **reef**.

overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

synonym: conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

barrier

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

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

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

theoretical

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

synonym: conceptual, conjectural, ideal

(1) **theoretical** models, (2) **theoretical** physicist

Absolute zero is the lowest **theoretical** temperature.

volcano

n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

synonym : mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

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.

stratosphere

n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

synonym : upper atmosphere, ozone layer

(1) **stratosphere** layer, (2) **stratosphere** ozone

The ozone layer, which protects us from harmful UV radiation, is in the **stratosphere**.

mount

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

synonym : climb, increase, get on

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

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

erupt

v. (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently

synonym : eject, emit, burst

(1) **erupt** in anger, (2) **erupt** into tears

Battles between whites and blacks **erupted** immediately.

circulate

v. to move continuously or freely around a place or closed system

synonym: flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

striking

adj. attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

synonym: arresting, astonishing, exceptional

(1) **striking** innovation, (2) **striking** evidence

The two plays have many **striking** parallels.

subsequent

adj. happening or occurring later or after something else

synonym: later, following, ensuing

(1) over **subsequent** months, (2) reduce **subsequent** mortality

In the **subsequent** meeting, the team discussed ways to improve productivity.

volcanic

adj. relating to or produced by or consisting of volcano

(1) effects of **volcanic** eruptions, (2) increase in **volcanic** activity

This study indicates **volcanic** activity affects global warming.

phenomenon

n. something that exists and can be perceptible, especially one that is not fully understood

synonym: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

ozone

n. a poisonous gas with the chemical formula O₃, which has a strong smell

(1) **ozone** depletion, (2) atmospheric **ozone**

The **ozone** layer is vital for blocking some harmful sun rays.

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.

globe

n. the earth or world, mainly used to emphasize its vastness

synonym : Earth, world, sphere

(1) terrestrial **globe**, (2) around the **globe**

His final goal is to sail around the **globe**.

visual

adj. relating to seeing or sight

synonym : optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts

The building makes a remarkable **visual** impact.

trajectory

n. the curved path followed by an object moving through space

synonym : course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

introductory

adj. intended as an introduction or preliminary; serving as a base or starting point

synonym : beginning, preliminary, initial

(1) **introductory** biology text, (2) product **introductory** sale

The **introductory** class was designed to give students a basic understanding of the subject.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

intervention

n. the action or process of being done to improve or help a circumstance, often they have not been asked to do so
synonym: interference, intercession, treatment

(1) **intervention** by foreign powers, (2) surgical

intervention

This **intervention** does not require the patient's consent.

feasible

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

(1) economically **feasible**, (2) **feasible** assumption

It is not **feasible** and inefficient to complete many tasks at once.

forecast

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

synonym: prediction, outlook, (verb) guess

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

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

analytical

adj. relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze

synonym: investigative, logical, cogent

(1) **analytical** approach, (2) **analytical** ability

He is **analytical** and can break down complex problems into manageable parts.

technique

n. a particular way or art of doing something that needs skill

synonym: approach, procedure, strategy

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

construction

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

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

controversial

adj. causing a lot of hot public discussion and dispute

synonym: contentious, disputed, questionable

(1) **controversial** book, (2) **controversial** policy

The issue of the death penalty is highly **controversial**.

critic

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

synonym: pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

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

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.

core

n. the most essential or fundamental part of something

synonym: center, basis, heart

(1) the **core** of an apple, (2) **core** business activity

These gas nebulas are merely newborn galactic **cores**.

calcium

n. a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body

synonym : Ca, lime, chalk

(1) **calcium** deficiency, (2) ion of **calcium**

The patient was prescribed a **calcium** supplement to help prevent osteoporosis.

carbonate

n. a carbonic acid salt or ester that contains the anion CO₃

(1) sodium **carbonate**, (2) alkaline **carbonate**

The explosive chemical reaction does not occur in all sodium **carbonate**.

balloon

n. a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

synonym : aerostat, blimp, (verb) billow out

(1) **balloon** ride, (2) **balloon** into a severe political problem

The satellite **balloon** slowly ascended into the sky.

chemistry

n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

flee

v. to leave by running away, especially out of fear or danger

synonym : exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

commerce

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

synonym: trade, transaction, dealings

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

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

aircraft

n. any vehicle that can fly and carry things or passengers, such as a plane or helicopter

synonym: airplane, plane, airliner

(1) an **aircraft** landing, (2) **aircraft** control system

The marine **aircraft** manufacturer demonstrated their newest hydroplane.

definitely

adv. without any question and beyond doubt; clearly

synonym: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

scary

adj. causing fear or fright; frightening; intimidating

synonym: terrifying, frightening, alarming

(1) **scary** dream, (2) **scary** story

The horror movie was so **scary** that I couldn't watch it alone.

culminate

v. to reach a peak or climax

synonym: end, finish, conclude

(1) **culminate** in a heart attack, (2) **culminate** in failure

The event will **culminate** in a grand fireworks display.

asthma

n. a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing

synonym: bronchial, bronchitis, respiratory ailment

(1) **asthma** attack, (2) **asthma** symptoms

He always had to carry an inhaler due to his severe **asthma**.

inhale

v. to breathe in air or a different substance, such as smoke
synonym: breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma

He **inhaled** deeply, trying to calm down.

tricky

adj. requiring care and skill because challenging to do or deal with

synonym: thorny, problematic, crafty

(1) **tricky** problem, (2) a **tricky** recipe to follow

We have discussed the entirety of this **tricky** problem.

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.

nozzle

n. a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun

synonym: spout, sprayer, tube

(1) **nozzle** attachment, (2) fuel **nozzle**

The car wash **nozzle** sprayed a powerful stream of soapy water onto the vehicle.

trillion

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

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

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

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

corrosive

adj. having the ability to corrode or erode a material or substance; causing damage or deterioration over time;

harmful or destructive

synonym: destructive, erosive, caustic

(1) **corrosive** substance, (2) **corrosive** effect

The **corrosive** acid ate away at the metal pipes.

saltwater

adj. of or connected with seawater or water containing salt; living in or found in the sea

synonym: marine, naval, maritime

(1) a **saltwater** fish, (2) **saltwater** crocodile

The ecosystem upstream of the river significantly impacts the **saltwater** ecosystem downstream.

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.

silicon

n. a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

(1) **silicon** wafer, (2) crystalline **silicon**

Silicon is the second most abundant element on earth after oxygen.

valley

n. a long depression on the surface of the land, which typically contains a river

synonym: canyon, gorge, dale

(1) **valley** bottom, (2) basin-shaped **valley**

The **valley** had received a mild snowfall the previous week.

grandchild

n. a child of someone's son or daughter

synonym: offspring, descendant, progeny

(1) **grandchild-grandparent** relationship, (2) **grandchild**

development

The grandparents take care of their **grandchild** while the parents are at work.

emerging

adj. starting to exist, mature, or become well-known

synonym: arising, occurring, state-of-the-art

(1) **emerging** country, (2) **emerging** technologies

Emerging technologies have dramatically improved productivity in various industries.

institute

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

synonym: academy, university, college

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

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

sponsor

v. to provide funds for a particular event, program, individual, etc. as a way of advertising

synonym: back, fund, finance

(1) **sponsor** a contest, (2) **sponsor** a local group

Our company **sponsors** numerous disabled athletes.

experimental

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

synonym: empirical, exploratory, observed

(1) **experimental** data, (2) **experimental** design

The product is still in the **experimental** stage.

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.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

invest

v. to put money, effort, time, etc. into something to make a profit or achieve a result

synonym: fund, sponsor, support

(1) **invest** in stocks, (2) **invest** capital

The government should view children as national assets and actively **invest** in them.

accidental

adj. happening or existing by chance or unintentionally

synonym: inadvertent, fortuitous, coincidental

(1) **accidental** death, (2) cover **accidental** damage

This system prevents **accidental** deletion of data.

intentional

adj. done, made or performed with purpose and intent

synonym: deliberate, intended, preplanned

(1) **intentional** destruction of evidence, (2) an **intentional** walk

The law distinguishes between accidental and **intentional** killing.

urgent

adj. requiring immediate attention or action; pressing

synonym: pressing, critical, immediate

(1) an **urgent** telegram, (2) **urgent** situation

It is **urgent** that we leave for the airport now to catch our flight.

devastation

n. the act of causing great destruction or damage, often on a large scale

synonym: destruction, ruin, havoc

(1) financial **devastation**, (2) **devastation** to life

The economic recession caused **devastation** in the housing market, with many people losing their homes.

extreme

adj. very great in amount or degree

synonym : farthestmost, outermost, fierce

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

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

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym : tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

displacement

n. the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

synonym : eviction, exile, exodus

(1) **displacement** camp, (2) a car with 1800 cc

displacement

The **displacement** of the residents was a consequence of the construction of the new highway.

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym : endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

tip

n. the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

synonym : edge, advice, gratuity

(1) the **tip** of a paintbrush, (2) give the waiter a **tip** .

I will introduce some **tips** on learning English in this class.

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.

circumstance

n. the specific conditions or events that surround a particular situation or occurrence

synonym: condition, context, environment

(1) **circumstance** of birth, (2) **circumstance** of injury

She explained the **circumstances** surrounding the accident.

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.

reverse

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

synonym: overturn, shift, switch

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

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

radical

adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

synonym: extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure

The government established by the coup was more **radical** than before.

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

economy

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

synonym: finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

sector

n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

synonym: division, department, branch

(1) industrial **sector**, (2) private **sector**

The technology **sector** is constantly evolving and innovating.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

agriculture

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

synonym: farming, husbandry, agribusiness

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

Agriculture is the foundation of our economy.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on
synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

imperative

adj. very important or requiring attention or action

synonym: compulsory, binding, critical

(1) moral **imperative**, (2) **imperative** need

It is **imperative** for politicians to be effective communicators.

quantity

n. the amount or number of something; magnitude

synonym: abundance, portion, amount

(1) half **quantity**, (2) residual **quantity**

In southward, the average annual water **quantity** increases.

moving

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

synonym: emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

optimistic

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

synonym: hopeful, auspicious, cheery

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

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

assume

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

synonym: guess, presume, suppose

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

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

exposure

n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

synonym: vulnerability, disclosure, uncovering

(1) a southern **exposure**, (2) the **exposure** of a fraud

The long **exposure** to the air tarnished the antique tableware.

unacceptably

adv. in a way that is not acceptable or satisfactory

synonym: improperly, unsatisfactorily, inadequately

(1) **unacceptably** high prices, (2) **unacceptably** poor

The restaurant's service was **unacceptably** slow.

underlying

adj. significant as a cause or basis of something but not immediately apparent or stated clearly

synonym: fundamental, latent, basic

(1) an **underlying** motive, (2) an **underlying** cause of an accident

The **underlying** principle of every business was identical.

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.

delay

v. to cause something to happen at a later time than originally intended or expected

synonym: block, adjourn, detain

(1) **delay** a flight three hours, (2) **delay** the new project

We **delayed** the payment because of an incorrect invoice.

moral

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

synonym : honest, ethical, conscientious

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

Ethics deals with **moral** conduct.

hazard

n. something dangerous and likely to cause damage

synonym : peril, danger, threat

(1) occupational **hazard**, (2) potential health **hazards**

Lost mobile phones lead to another potential **hazard** regarding privacy.

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

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

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

posit

v. to suggest or accept something as fact or as a basis for argument or consideration

synonym : assert, declare, assume

(1) **posit** the existence of life after death, (2) **posit** the premise

We should **posit** several hypotheses to discuss the matter.

alternative

n. one of two or more available possibilities or choice

synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

risky

adj. involving the possibility of danger, failure, or loss

synonym : dangerous, perilous, scary

(1) change **risky** behavior, (2) a **risky** enterprise

It is extremely **risky** to sail in such a storm.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

synonym : choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

intervene

v. to intentionally get involved in a situation to improve it or prevent it from getting worse

synonym : interfere, mediate, intercede

(1) **intervene** in a dispute, (2) **intervene** between quarreling parties

Following international law, our country does not **intervene** in the internal affairs of our neighbors.

worsen

v. to become or make something worse

synonym : languish, degenerate, degrade

(1) **worsen** a relation, (2) **worsen** the food problem

Unilateral import bans have **worsened** that country's terms of trade.

policymaker

n. a person in charge of or involved in developing action plans for a political party, business, etc.

synonym : lawmaker, legislator

(1) education **policymaker**, (2) regional **policymaker**

Policymakers struggle to develop various laws and regulations to address international trade conflicts.

identify

v. to recognize someone or something and say or prove who or what they are

synonym : determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

threat

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

synonym: menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

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.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

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

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

achieve

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

synonym: accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

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

bind

v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

synonym: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle

The company's rules **bind** the employee's working hours.

environment

n. 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**.

protocol

n. a set of rules or procedures for transmitting data or conducting a process or activity, especially in computer networks or scientific experiments; the initial or original version of an agreement

synonym: procedure, system, method

(1) draft a **protocol**, (2) **protocol** breach

The company has a strict **protocol** for handling sensitive information to ensure security.

recover

v. to return to a former condition, health, mind, or strength

synonym: come back, convalesce, heal

(1) **recover** a loss, (2) **recover** approval ratings

She is still **recovering** from a shot to her shoulder.

Session 2: Spelling

- | | |
|-----------------------------------|---|
| 1. cost of solar pa__ls | <i>n.</i> 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 |
| 2. of__t a loss | <i>v.</i> to compensate for or counterbalance one influence against an opposing influence |
| 3. potential health ha___ds | <i>n.</i> something dangerous and likely to cause damage |
| 4. ov_____lm opponents by numbers | <i>v.</i> to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody |
| 5. a glare of su_____ht | <i>n.</i> the light emitted by the sun; the rays of the sun |
| 6. re___e after four terms | <i>v.</i> to withdraw from one's position or occupation, especially because of age |
| 7. uni_____nal insult | <i>adj.</i> not done or made on purpose; accidental |
| 8. se___e heat | <i>adj.</i> extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous |
| 9. tec_____cal advancement | <i>adj.</i> based on scientific and industrial progress |
| 10. perfect ex___e | <i>n.</i> 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 |

ANSWERS: 1. panel, 2. offset, 3. hazard, 4. overwhelm, 5. sunlight, 6. retire, 7. unintentional, 8. severe, 9. technological, 10. excuse

11. st_____ng evidence *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
12. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
13. foreign po____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
14. ana_____al approach *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
15. 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
16. historical phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
17. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
18. st_____ng innovation *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
19. a ra_____l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

ANSWERS: 11. striking, 12. temperature, 13. policy, 14. analytical, 15. coal, 16. phenomenon, 17. involve, 18. striking, 19. radical

20. achieve a vi___e relationship *adj.* capable of being done as intended; able to succeed
21. reduce sub_____nt mortality *adj.* happening or occurring later or after something else
22. si_____n wafer *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
23. ur___t situation *adj.* requiring immediate attention or action; pressing
24. f___e abroad *v.* to leave by running away, especially out of fear or danger
25. dif_____ty in breathing *n.* a condition or state that causes problems
26. a friendly con_____ion *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
27. er___t into tears *v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
28. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
29. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
30. una_____bly poor *adv.* in a way that is not acceptable or satisfactory
31. in_____te a lawsuit *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

ANSWERS: 20. viable, 21. subsequent, 22. silicon, 23. urgent, 24. flee, 25. difficulty, 26. conversation, 27. erupt, 28. nation, 29. complexity, 30. unacceptably, 31. institute

32. barrier r__f *n.* a long chain or range of rocks or sand near the ocean's surface
33. the_____al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
34. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
35. re___e voluntarily *v.* to withdraw from one's position or occupation, especially because of age
36. an ai_____ft landing *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
37. treat this dev_____ng disease *adj.* causing a great deal of destruction or damage
38. pr_____e changes *v.* to make a proposal, declare a plan for something
39. ana_____al ability *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
40. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
41. 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: 32. reef, 33. theoretical, 34. release, 35. retire, 36. aircraft, 37. devastating, 38. propose, 39. analytical, 40. inhale, 41. develop

42. no___e attachment *n.* a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
43. atmospheric oz___e *n.* a poisonous gas with the chemical formula O₃, which has a strong smell
44. death from sh___k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
45. fas_____ng energy drink *adj.* describing a substance or product that works rapidly, quickly producing the desired effect or result
46. gra_____ld development *n.* a child of someone's son or daughter
47. mo___t a hill *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
48. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
49. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
50. str_____ere layer *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
51. g___f stream *n.* a large ocean inlet or deep bay that is partially enclosed by land

ANSWERS: 42. nozzle, 43. ozone, 44. shock, 45. fast-acting, 46. grandchild, 47. mount, 48. planet, 49. temperature, 50. stratosphere, 51. gulf

52. po__t the existence of life after death
v. to suggest or accept something as fact or as a basis for argument or consideration
53. they met acc_____lly
adv. by chance or without planning
54. the degree of dif_____ty
n. a condition or state that causes problems
55. sa_____er crocodile
adj. of or connected with seawater or water containing salt; living in or found in the sea
56. tr_____rt facilities
n. a system for moving people or products from one location to another using automobiles, roads, and so on
57. environmental th____t
n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
58. pr_____y school
adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
59. 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
60. cognitive com_____ty
n. the state or quality of being complicated or intricate and difficult to understand
61. di_____nt store
n. a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (verb) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price

ANSWERS: 52. posit, 53. accidentally, 54. difficulty, 55. saltwater, 56. transport, 57. threat, 58. primary, 59. deploy, 60. complexity, 61. discount

62. fo____st an epidemic *n.* a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
63. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
64. cover acc____al damage *adj.* happening or existing by chance or unintentionally
65. nuclear ph____s *n.* the science of matter and energy and their interactions
66. have dev____ng effects *adj.* causing a great deal of destruction or damage
67. a sh____d for protecting against a bullet *n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
68. increase sl____ly *adv.* in a small degree or extent; a little
69. many tr____ons of dollars *n.* the number 1,000,000,000,000; a million million
70. acc____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
71. obs____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
72. re____r approval ratings *v.* to return to a former condition, health, mind, or strength

ANSWERS: 62. forecast, 63. engineer, 64. accidental, 65. physics, 66. devastating, 67. shield, 68. slightly, 69. trillion, 70. accelerate, 71. observation, 72. recover

73. an und_____ng cause of an accident
adj. significant as a cause or basis of something but not immediately apparent or stated clearly
74. ci_____te an agenda before the meeting
v. to move continuously or freely around a place or closed system
75. severe cr____c
n. someone who expresses opinions about the quality of books, music, etc.
76. effects of vo_____ic eruptions
adj. relating to or produced by or consisting of volcano
77. tec_____cal policy
adj. based on scientific and industrial progress
78. series of exp_____nts
n. the scientific test conducted to observe what happens and gain new knowledge
79. racial or____n
n. the first existence or beginning of something
80. sc__y story
adj. causing fear or fright; frightening; intimidating
81. art cr____c
n. someone who expresses opinions about the quality of books, music, etc.
82. wo____n a relation
v. to become or make something worse
83. a meteorological sa_____te
n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
84. laws of ph_____s
n. the science of matter and energy and their interactions
85. professor of ch_____ry
n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

ANSWERS: 73. underlying, 74. circulate, 75. critic, 76. volcanic, 77. technological, 78. experiment, 79. origin, 80. scary, 81. critic, 82. worsen, 83. satellite, 84. physics, 85. chemistry

86. intensive agr_____re *n.* the practice or science of cultivating the land or raising stock
87. sodium ca_____te *n.* a carbonic acid salt or ester that contains the anion CO₃
88. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
89. t__p an animal *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
90. class obs_____on day *n.* the act or activity of carefully examining or monitoring something or someone
91. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
92. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
93. give the waiter a t_p. *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
94. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
95. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 86. agriculture, 87. carbonate, 88. estimate, 89. trap, 90. observation, 91. decision, 92. construct, 93. tip, 94. emission, 95. environment

96. pr____y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
97. di___l engine *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
98. ci_____te a rumor *v.* to move continuously or freely around a place or closed system
99. gov_____nt funding *n.* the group of people with authority to control a country or state
100. change ri__y behavior *adj.* involving the possibility of danger, failure, or loss
101. as___s a tax of 10 pounds *v.* to judge or decide the nature or quality of someone or something
102. int_____ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point
103. fas_____ng insulin *adj.* describing a substance or product that works rapidly, quickly producing the desired effect or result
104. crystalline si____n *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
105. cou_____ure strategy *n.* an action taken to counter or offset another action
106. su___r dioxide *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

ANSWERS: 96. primary, 97. diesel, 98. circulate, 99. government, 100. risky, 101. assess, 102. introductory, 103. fast-acting, 104. silicon, 105. countermeasure, 106. sulfur

107. su___r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
108. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
109. sc___y dream *adj.* causing fear or fright; frightening; intimidating
110. as___s the quality *v.* to judge or decide the nature or quality of someone or something
111. su___r mine *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
112. re_____e a prisoner *v.* to set free or allow to escape from confinement
113. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
114. tr_____rm heat into power *v.* to change in outward structure or looks;
115. sp_____r a local group *v.* to provide funds for a particular event, program, individual, etc. as a way of advertising
116. gra_____ld-grandparent relationship *n.* a child of someone's son or daughter
117. co___l ornament *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

ANSWERS: 107. suffer, 108. commerce, 109. scary, 110. assess, 111. sulfur, 112. release, 113. satellite, 114. transform, 115. sponsor, 116. grandchild, 117. coral

118. cou_____ure plan *n.* an action taken to counter or offset another action
119. m__t in the morning *n.* a cloud of very small drops of water collecting in the air just above the ground or water
120. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
121. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
122. regional pol_____er *n.* a person in charge of or involved in developing action plans for a political party, business, etc.
123. def_____ly become a problem *adv.* without any question and beyond doubt; clearly
124. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
125. con_____ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
126. si_____te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
127. acute em_____cy *n.* a sudden unforeseen crisis usually involving danger that requires immediate action

ANSWERS: 118. countermeasure, 119. mist, 120. eventually, 121. particle, 122. policymaker, 123. definitely, 124. maintain, 125. conversation, 126. simulate, 127. emergency

128. as___e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
129. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
130. mo___g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
131. field of vi___l arts *adj.* relating to seeing or sight
132. par____te size *adj.* consisting of small particles, especially those that are suspended in a fluid or air
133. say def____ly *adv.* without any question and beyond doubt; clearly
134. id____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
135. a ch____al compound *adj.* relating to or connected with chemistry;
136. financial dev____on *n.* the act of causing great destruction or damage, often on a large scale
137. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
138. co____t a background check *v.* to organize and carry out a particular activity
139. ba____n ride *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

ANSWERS: 128. assume, 129. degree, 130. moving, 131. visual, 132. particulate, 133. definitely, 134. identify, 135. chemical, 136. devastation, 137. decision, 138. conduct, 139. balloon

140. a ri__y enterprise *adj.* involving the possibility of danger, failure, or loss
141. product int_____ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
142. a hut made tem_____ly *adv.* for a limited time only or not permanently
143. terrestrial gl__e *n.* the earth or world, mainly used to emphasize its vastness
144. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
145. fine m__t *n.* a cloud of very small drops of water collecting in the air just above the ground or water
146. str_____ere ozone *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
147. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
148. 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
149. develop a vi___e therapy *adj.* capable of being done as intended; able to succeed

ANSWERS: 140. risky, 141. introductory, 142. temporarily, 143. globe, 144. trillion, 145. mist, 146. stratosphere, 147. concentration, 148. damage, 149. viable

150. mo___g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
151. acc_____lly coincide *adv.* by chance or without planning
152. a sus_____le young woman *adj.* easily influenced, harmed, or affected by something
153. in_____ne in a dispute *v.* to intentionally get involved in a situation to improve it or prevent it from getting worse
154. gold st___k *n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual
155. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
156. fe_____le assumption *adj.* capable of being or likely to be made, done, or achieved
157. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
158. col_____ion platform *n.* the act or situation of working together to create or produce something
159. imp_____ve need *adj.* very important or requiring attention or action
160. de___y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way

ANSWERS: 150. moving, 151. accidentally, 152. susceptible, 153. intervene, 154. streak, 155. engineer, 156. feasible, 157. technique, 158. collaboration, 159. imperative, 160. deploy

161. a no_____it organization *adj.* not established for commercial profit
162. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
163. a gr_____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
164. 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
165. a tr___y recipe to follow *adj.* requiring care and skill because challenging to do or deal with
166. a gr_____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
167. de__y the new project *v.* to cause something to happen at a later time than originally intended or expected
168. economic th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
169. sh__k-resistant *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
170. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
171. economically fe_____le *adj.* capable of being or likely to be made, done, or achieved

ANSWERS: 161. nonprofit, 162. construct, 163. gradual, 164. coal, 165. tricky, 166. gradual, 167. delay, 168. threat, 169. shock, 170. collapse, 171. feasible

172. fuel no___e *n.* a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
173. ma_____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
174. sc__b dirt from potatoes *v.* to clean something thoroughly, typically with a brush and soap or detergent
175. doubling of atm_____ic carbon dioxide *adj.* about or located in the earth's atmosphere
176. opt_____ic outlook *adj.* hoping or expecting that good thing will happen or something will be successful
177. occupational ha___d *n.* something dangerous and likely to cause damage
178. v__t majority *adj.* enormous in size, number, amount, or quantity
179. variety of ma___e life *adj.* relating to the sea and the creatures and plants that live there
180. mo__t a counterattack *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
181. sc__b off graffiti *v.* to clean something thoroughly, typically with a brush and soap or detergent
182. biomass f__l *n.* a substance that is typically burned to generate heat or energy
183. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 172. nozzle, 173. maintain, 174. scrub, 175. atmospheric, 176. optimistic, 177. hazard, 178. vast, 179. marine, 180. mount, 181. scrub, 182. fuel, 183. emission

184. information ba____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
185. 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
186. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture
187. vo_____o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
188. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
189. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
190. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
191. private se____r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

ANSWERS: 184. barrier, 185. damage, 186. nation, 187. volcano, 188. greenhouse, 189. statistics, 190. reverse, 191. sector

192. pr____ol breach *n.* a set of rules or procedures for transmitting data or conducting a process or activity, especially in computer networks or scientific experiments; the initial or original version of an agreement
193. avoid uni_____nal harm *adj.* not done or made on purpose; accidental
194. a pol_____an in the ruling party *n.* a person who is a member of a government or law-making organization, especially as an elected member of parliament, etc.
195. an und_____ng motive *adj.* significant as a cause or basis of something but not immediately apparent or stated clearly
196. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
197. exp_____tal design *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
198. ex_____e weather events *adj.* very great in amount or degree
199. draft a pr____ol *n.* a set of rules or procedures for transmitting data or conducting a process or activity, especially in computer networks or scientific experiments; the initial or original version of an agreement
200. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

ANSWERS: 192. protocol, 193. unintentional, 194. politician, 195. underlying, 196. technique, 197. experimental, 198. extreme, 199. protocol, 200. nanoscale

201. exp_____nt design	<i>n.</i> the scientific test conducted to observe what happens and gain new knowledge
202. organic agr_____re	<i>n.</i> the practice or science of cultivating the land or raising stock
203. ready to co_____se	<i>v.</i> to fall down or give way suddenly, often after breaking apart
204. con_____ial book	<i>adj.</i> causing a lot of hot public discussion and dispute
205. in___t capital	<i>v.</i> to put money, effort, time, etc. into something to make a profit or achieve a result
206. sl_____ly alkaline soils	<i>adv.</i> in a small degree or extent; a little
207. a tra_____ry missile	<i>n.</i> the curved path followed by an object moving through space
208. cu_____te in a heart attack	<i>v.</i> to reach a peak or climax
209. me_____al chemistry	<i>adj.</i> of or relating to the treatment or cure of disease
210. numerous un_____in factors	<i>adj.</i> not being sure of something; not being able to choose
211. as___a symptoms	<i>n.</i> a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing
212. sp_____r a contest	<i>v.</i> to provide funds for a particular event, program, individual, etc. as a way of advertising
213. vi___l navigation	<i>adj.</i> relating to seeing or sight
214. around the gl___e	<i>n.</i> the earth or world, mainly used to emphasize its vastness

ANSWERS: 201. experiment, 202. agriculture, 203. collapse, 204. controversial, 205. invest, 206. slightly, 207. trajectory, 208. culminate, 209. medicinal, 210. uncertain, 211. asthma, 212. sponsor, 213. visual, 214. globe

215. residual qu____ty *n.* the amount or number of something; magnitude
216. di___l car *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
217. ac____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
218. em____ng country *adj.* starting to exist, mature, or become well-known
219. the ravages of a hu____ne *n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
220. acc____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
221. take an un____in attitude *adj.* not being sure of something; not being able to choose
222. tem____ly suspend the production *adv.* for a limited time only or not permanently
223. cir____nce of injury *n.* the specific conditions or events that surround a particular situation or occurrence
224. abs____ly against *adv.* without restriction or limitation; completely or utterly
225. career tra____ry *n.* the curved path followed by an object moving through space

ANSWERS: 215. quantity, 216. diesel, 217. achieve, 218. emerging, 219. hurricane, 220. accelerate, 221. uncertain, 222. temporarily, 223. circumstance, 224. absolutely, 225. trajectory

226. em_____cy action *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
227. se_____er bacteria *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
228. industrial se____r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
229. dev_____on to life *n.* the act of causing great destruction or damage, often on a large scale
230. ac_____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
231. co_____ve effect *adj.* having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive
232. b__d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
233. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
234. ma____e insurance *adj.* relating to the sea and the creatures and plants that live there

ANSWERS: 226. emergency, 227. seawater, 228. sector, 229. devastation, 230. achieve, 231. corrosive, 232. bind, 233. predict, 234. marine

235. par_____te pollution *adj.* consisting of small particles, especially those that are suspended in a fluid or air
236. 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
237. he is opt_____ic *adj.* hoping or expecting that good thing will happen or something will be successful
238. he was ov_____lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
239. co_____t research *v.* to organize and carry out a particular activity
240. ex_____t a topic *n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
241. a gradual re_____on *n.* a decrease in size, amount, or degree
242. ae_____l container *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
243. or____n of information *n.* the first existence or beginning of something
244. a car with 1800 cc dis_____ent *n.* the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

ANSWERS: 235. particulate, 236. panel, 237. optimistic, 238. overwhelm, 239. conduct, 240. exhaust, 241. reduction, 242. aerosol, 243. origin, 244. displacement

245. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
246. half qu_____ty *n.* the amount or number of something; magnitude
247. ma_____e stars *adj.* enormous amount; very heavy and solid
248. ec_____y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
249. ex_____t pipe *n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
250. 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
251. cir_____nce of birth *n.* the specific conditions or events that surround a particular situation or occurrence
252. b__d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

ANSWERS: 245. involve, 246. quantity, 247. massive, 248. economy, 249. exhaust, 250. develop, 251. circumstance, 252. bind

253. the _____al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
254. natural phe _____on *n.* something that exists and can be perceptible, especially one that is not fully understood
255. di _____se false information *v.* to spread out or distribute over a broad region, or to cause something to do so
256. re _____r a loss *v.* to return to a former condition, health, mind, or strength
257. in direct su _____ht *n.* the light emitted by the sun; the rays of the sun
258. pl _____t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
259. ae _____l can *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
260. carbon dioxide in the atm _____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
261. a sa _____er fish *adj.* of or connected with seawater or water containing salt; living in or found in the sea
262. a convivial atm _____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 253. theoretical, 254. phenomenon, 255. disperse, 256. recover, 257. sunlight, 258. planet, 259. aerosol, 260. atmosphere, 261. saltwater, 262. atmosphere

263. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
264. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
265. a se_____e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
266. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
267. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
268. a sp____y of mist *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
269. toxic ch_____als *adj.* relating to or connected with chemistry;
270. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
271. va____y bottom *n.* a long depression on the surface of the land, which typically contains a river
272. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
273. of____t deposits and withdrawals *v.* to compensate for or counterbalance one influence against an opposing influence
274. an insect sp____y *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

ANSWERS: 263. nanoscale, 264. identify, 265. severe, 266. concentration, 267. commerce, 268. spray, 269. chemical, 270. government, 271. valley, 272. fuel, 273. offset, 274. spray

275. pr_____e the amendment	<i>v.</i>	to make a proposal, declare a plan for something
276. eve_____ly become obsolete	<i>adv.</i>	finally, particularly after a long time or a lot of struggle, complications, and so on
277. alkaline ca_____te	<i>n.</i>	a carbonic acid salt or ester that contains the anion CO ₃
278. col_____ion between companies	<i>n.</i>	the act or situation of working together to create or produce something
279. er__t in anger	<i>v.</i>	(of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
280. f__e their homes	<i>v.</i>	to leave by running away, especially out of fear or danger
281. di_____se the protesters	<i>v.</i>	to spread out or distribute over a broad region, or to cause something to do so
282. de___e centigrade	<i>n.</i>	a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
283. se_____er pollution	<i>n.</i>	water from the sea or ocean, typically containing salt and various other dissolved minerals
284. int_____al destruction of evidence	<i>adj.</i>	done, made or performed with purpose and intent
285. mo__l hazard	<i>adj.</i>	concerned with the principles of what is right and wrong, fairness, honesty, etc.
286. a corrupt pol_____an	<i>n.</i>	a person who is a member of a government or law-making organization, especially as an elected member of parliament, etc.

ANSWERS: 275. propose, 276. eventually, 277. carbonate, 278. collaboration, 279. erupt, 280. flee, 281. disperse, 282. degree, 283. seawater, 284. intentional, 285. moral, 286. politician

287. es____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
288. surgical int_____ion *n.* the action or process of being done to improve or help a circumstance, often they have not been asked to do so
289. co__l island *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
290. ec_____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
291. high ar___c *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
292. the t_p of a paintbrush *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
293. st___k of luck *n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual

ANSWERS: 287. estimate, 288. intervention, 289. coral, 290. economy, 291. arctic, 292. tip, 293. streak

294. di_____nt a draft *n.* a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (verb) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price
295. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
296. exp_____tal data *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
297. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
298. una_____bly high prices *adv.* in a way that is not acceptable or satisfactory
299. v__t desert *adj.* enormous in size, number, amount, or quantity
300. dis_____ent camp *n.* the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
301. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
302. moral imp_____ve *adj.* very important or requiring attention or action
303. in___e the smoke *v.* to breathe in air or a different substance, such as smoke

ANSWERS: 294. discount, 295. possibility, 296. experimental, 297. climate, 298. unacceptably, 299. vast, 300. displacement, 301. industrious, 302. imperative, 303. inhale

304. tr_____m an education system *v.* to change in outward structure or looks;
305. an alt_____ve plan *n.* one of two or more available possibilities or choice
306. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
307. mo__l burden *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
308. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
309. cu_____te in failure *v.* to reach a peak or climax
310. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
311. si_____te climate change *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
312. in___t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
313. ion of ca_____m *n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
314. in_____ne between quarreling parties *v.* to intentionally get involved in a situation to improve it or prevent it from getting worse

ANSWERS: 304. transform, 305. alternative, 306. absolutely, 307. moral, 308. suffer, 309. culminate, 310. environment, 311. simulate, 312. invest, 313. calcium, 314. intervene

315. education pol_____er *n.* a person in charge of or involved in developing action plans for a political party, business, etc.
316. acc_____al death *adj.* happening or existing by chance or unintentionally
317. re_____on strategy *n.* a decrease in size, amount, or degree
318. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
319. ca_____m deficiency *n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
320. re_____e a phone *v.* to take the place of something
321. set a t__p *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
322. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
323. emissions of gre_____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
324. tr____y problem *adj.* requiring care and skill because challenging to do or deal with
325. coral r__fs *n.* a long chain or range of rocks or sand near the ocean's surface

ANSWERS: 315. policymaker, 316. accidental, 317. reduction, 318. transport, 319. calcium, 320. replace, 321. trap, 322. reverse, 323. greenhouse, 324. tricky, 325. reef

326. active vo____o *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
327. ba____n into a severe political problem *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
328. a cold cl____e *n.* the weather in a particular location averaged over some long period
329. there is no other alt____ve *n.* one of two or more available possibilities or choice
330. re____e one word with another *v.* to take the place of something
331. a hu____ne of applause *n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
332. an ur____t telegram *adj.* requiring immediate attention or action; pressing
333. po__t the premise *v.* to suggest or accept something as fact or as a basis for argument or consideration
334. pr____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
335. ma____e amounts *adj.* enormous amount; very heavy and solid
336. as____e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 326. volcano, 327. balloon, 328. climate, 329. alternative, 330. replace, 331. hurricane, 332. urgent, 333. posit, 334. predict, 335. massive, 336. assume

337. oz__e depletion *n.* a poisonous gas with the chemical formula O₃, which has a strong smell
338. sus_____le of proof *adj.* easily influenced, harmed, or affected by something
339. ind_____us student *adj.* hardworking, diligent, and persistent in effort
340. de__y a flight three hours *v.* to cause something to happen at a later time than originally intended or expected
341. ex_____e sports *adj.* very great in amount or degree
342. pos_____ty for growth *n.* a chance that something may happen or be true
343. atm_____ic pressure *adj.* about or located in the earth's atmosphere
344. con_____ial policy *adj.* causing a lot of hot public discussion and dispute
345. the ex_____re of a fraud *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
346. research in_____tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
347. a weather fo_____st *n.* a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance

ANSWERS: 337. ozone, 338. susceptible, 339. industrious, 340. delay, 341. extreme, 342. possibility, 343. atmospheric, 344. controversial, 345. exposure, 346. institute, 347. forecast

348. the c__e of an apple *n.* the most essential or fundamental part of something
349. a heat sh___d *n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
350. increase in vo____ic activity *adj.* relating to or produced by or consisting of volcano
351. traditional me____al *adj.* of or relating to the treatment or cure of disease
352. a ra____l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
353. ar___c ice *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
354. g__f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
355. a southern ex____re *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
356. no____it agency *adj.* not established for commercial profit
357. an int____al walk *adj.* done, made or performed with purpose and intent
358. basin-shaped va___y *n.* a long depression on the surface of the land, which typically contains a river

ANSWERS: 348. core, 349. shield, 350. volcanic, 351. medicinal, 352. radical, 353. arctic, 354. gulf, 355. exposure, 356. nonprofit, 357. intentional, 358. valley

359. health po___y
- n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
360. official sta_____cs
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
361. em_____ng technologies
- adj.* starting to exist, mature, or become well-known
362. co_____ve substance
- adj.* having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive
363. the ch_____ry of soil
- n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
364. 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
365. int_____ion by foreign powers
- n.* the action or process of being done to improve or help a circumstance, often they have not been asked to do so
366. as___a attack
- n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing

ANSWERS: 359. policy, 360. statistics, 361. emerging, 362. corrosive, 363. chemistry, 364. excuse, 365. intervention, 366. asthma

367. over sub_____nt months *adj.* happening or occurring later or after something else
368. ai_____ft control system *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
369. c__e business activity *n.* the most essential or fundamental part of something
370. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
371. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
372. wo____n the food problem *v.* to become or make something worse

ANSWERS: 367. subsequent, 368. aircraft, 369. core, 370. particle, 371. barrier, 372. worsen

Session 3: Fill in the Blanks

1. 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
2. Absolute zero is the lowest _____ temperature.
adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
3. The _____ effect is a phenomenon that happens naturally.
n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
4. Their team specializes in demand _____ for our products.
n. a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
5. The ecosystem upstream of the river significantly impacts the _____ ecosystem downstream.
adj. of or connected with seawater or water containing salt; living in or found in the sea
6. The _____ of the country is struggling due to the recent political instability.
n. the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
7. He studied the _____ of radiation.
n. the science of matter and energy and their interactions

ANSWERS: 1. retire, 2. theoretical, 3. greenhouse, 4. forecasts, 5. saltwater, 6. economy, 7. physics

8. We should _____ several hypotheses to discuss the matter.
v. to suggest or accept something as fact or as a basis for argument or consideration
9. The recent economic downturn has resulted in _____ layoffs.
adj. enormous amount; very heavy and solid
10. It is _____ that we leave for the airport now to catch our flight.
adj. requiring immediate attention or action; pressing
11. He moved his body _____ to the left.
adv. in a small degree or extent; a little
12. It is extremely _____ to sail in such a storm.
adj. involving the possibility of danger, failure, or loss
13. This _____ does not require the patient's consent.
n. the action or process of being done to improve or help a circumstance, often they have not been asked to do so
14. The grandparents take care of their _____ while the parents are at work.
n. a child of someone's son or daughter
15. Some athletes take anabolic steroids to increase muscle size _____.
adv. for a limited time only or not permanently
16. One light year is nearly 6 _____ miles.
n. the number 1,000,000,000,000; a million million

ANSWERS: 8. posit, 9. massive, 10. urgent, 11. slightly, 12. risky, 13. intervention, 14. grandchild, 15. temporarily, 16. trillion

17. The law distinguishes between accidental and _____ killing.
adj. done, made or performed with purpose and intent
18. A rainbow is a natural _____.
n. something that exists and can be perceptible, especially one that is not fully understood
19. The vessel ran aground on a _____.
n. a long chain or range of rocks or sand near the ocean's surface
20. Our law firm also focuses on _____ activities.
adj. not established for commercial profit
21. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
22. He is _____ and can break down complex problems into manageable parts.
adj. relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
23. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
24. The island was formed by a _____ millions of years ago.
n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

ANSWERS: 17. intentional, 18. phenomenon, 19. reef, 20. nonprofit, 21. industrious, 22. analytical, 23. release, 24. volcano

25. She was _____ about her friend's intentions.

adj. not being sure of something; not being able to choose

26. He always had to carry an inhaler due to his severe _____.

n. a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing

27. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

28. The satellite _____ slowly ascended into the sky.

n. a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

29. The _____ medication provided immediate relief for my migraine headache.

adj. describing a substance or product that works rapidly, quickly producing the desired effect or result

30. The _____ of severe weather prompted the city to issue an evacuation warning.

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

31. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

32. The technology _____ is constantly evolving and innovating.

n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

ANSWERS: 25. uncertain, 26. asthma, 27. chemical, 28. balloon, 29. fast-acting, 30. threat, 31. extreme, 32. sector

33. The horror movie was so _____ that I couldn't watch it alone.
adj. causing fear or fright; frightening; intimidating
34. The _____ had received a mild snowfall the previous week.
n. a long depression on the surface of the land, which typically contains a river
35. He _____ deeply, trying to calm down.
v. to breathe in air or a different substance, such as smoke
36. In the hospital, she will remain under constant _____.
n. the act or activity of carefully examining or monitoring something or someone
37. The mistake was _____ and made in good faith.
adj. not done or made on purpose; accidental
38. Radiation from _____ has a different wavelength.
n. the light emitted by the sun; the rays of the sun
39. He had a _____ of stubbornness that made him difficult to work with.
n. a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual
40. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
41. They _____ pictures on the paper in preparation for the birthday card.
v. to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

ANSWERS: 33. scary, 34. valley, 35. inhaled, 36. observation, 37. unintentional, 38. sunlight, 39. streak, 40. experiments, 41. mounted

42. The fan _____ the air in the room quickly.
- v. to move continuously or freely around a place or closed system
43. The _____ layer is vital for blocking some harmful sun rays.
- n. a poisonous gas with the chemical formula O₃, which has a strong smell
44. The restaurant _____ a ban on smoking.
- v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
45. Our company _____ numerous disabled athletes.
- v. to provide funds for a particular event, program, individual, etc. as a way of advertising
46. The desalination plant turned _____ into drinking water through a complex process.
- n. water from the sea or ocean, typically containing salt and various other dissolved minerals
47. The police placed a _____ across the street to halt traffic.
- n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
48. Every human is responsible for taking care of the Earth's _____.
- n. the natural world such as air, water, and land in which humans, animals, and plants live
49. The company's new _____ on remote work has made it a more inclusive workplace.
- n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

ANSWERS: 42. circulates, 43. ozone, 44. reversed, 45. sponsors, 46. seawater, 47. barrier, 48. environment, 49. policy

50. She waited a few seconds after spraying the _____ insecticide before entering the room.

n. a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application

51. I will introduce you to how to _____ the leading causes of the malfunction.

v. to recognize someone or something and say or prove who or what they are

52. The factory's _____ fumes polluted the air and affected the health of the nearby residents.

n. the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired

53. I want to _____ a toast in honor of our longstanding relationship.

v. to make a proposal, declare a plan for something

54. He was _____ killed by friendly fire.

adv. by chance or without planning

55. Eventually, the new design will _____ all older models.

v. to take the place of something

56. _____ is the foundation of our economy.

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

57. The president declared a state of _____.

n. a sudden unforeseen crisis usually involving danger that requires immediate action

ANSWERS: 50. aerosol, 51. identify, 52. exhaust, 53. propose, 54. accidentally, 55. replace, 56. Agriculture, 57. emergency

58. The restaurant's service was _____ slow.

adv. in a way that is not acceptable or satisfactory

59. The following example _____ that the capacity of each battery is the same.

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

60. The investigation _____ several government agencies and is expected to take several months.

v. to include or affect someone or something as a necessary part of something else

61. 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

62. Doctors are gradually coming around to the idea of using _____ medicines.

n. one of two or more available possibilities or choice

63. Too much variety may _____ and confuse viewers.

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

64. It's notoriously challenging to _____ birth rates.

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

65. The _____ principle of every business was identical.

adj. significant as a cause or basis of something but not immediately apparent or stated clearly

ANSWERS: 58. unacceptably, 59. assumes, 60. involves, 61. coal, 62. alternative, 63. overwhelm, 64. predict, 65. underlying

66. In the _____ meeting, the team discussed ways to improve productivity.
adj. happening or occurring later or after something else
67. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.
adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
68. 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
69. The economic recession caused _____ in the housing market, with many people losing their homes.
n. the act of causing great destruction or damage, often on a large scale
70. We have discussed the entirety of this _____ problem.
adj. requiring care and skill because challenging to do or deal with
71. The enemy fell right into the _____.
n. a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
72. Police will _____ random breath testing for drunk driving.
v. to organize and carry out a particular activity
73. There are various hypotheses concerning the _____ of life.
n. the first existence or beginning of something

ANSWERS: 66. subsequent, 67. nanoscale, 68. panel, 69. devastation, 70. tricky, 71. trap, 72. conduct, 73. origin

74. He is familiar with _____ and biology.
n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions
75. The government implemented several _____ to combat the spread of the virus.
n. an action taken to counter or offset another action
76. The partnership program requires a mutual _____ between both agencies.
n. the act or situation of working together to create or produce something
77. This system prevents _____ deletion of data.
adj. happening or existing by chance or unintentionally
78. The company has a strict _____ for handling sensitive information to ensure security.
n. a set of rules or procedures for transmitting data or conducting a process or activity, especially in computer networks or scientific experiments; the initial or original version of an agreement
79. The long _____ to the air tarnished the antique tableware.
n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
80. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
81. Well-stretched muscles are less _____ to injury.
adj. easily influenced, harmed, or affected by something

ANSWERS: 74. chemistry, 75. countermeasures, 76. collaboration, 77. accidental, 78. protocol, 79. exposure, 80. engineer, 81. susceptible

82. The country experienced a _____ increase in population.
adj. happening slowly over a long period of time or distance; not steep or abrupt
83. The _____ class was designed to give students a basic understanding of the subject.
adj. intended as an introduction or preliminary; serving as a base or starting point
84. These gas nebulas are merely newborn galactic _____.
n. the most essential or fundamental part of something
85. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
86. Seals and whales are _____ animals beloved by the people.
adj. relating to the sea and the creatures and plants that live there
87. The _____ of the residents was a consequence of the construction of the new highway.
n. the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
88. Strong growth in core business _____ losses in other business segments.
v. to compensate for or counterbalance one influence against an opposing influence
89. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something

ANSWERS: 82. gradual, 83. introductory, 84. cores, 85. eventually, 86. marine, 87. displacement, 88. offsets, 89. estimated

90. The _____ in carbon emissions has been significant since the implementation of the new policy.
- n.* a decrease in size, amount, or degree
91. The government should view children as national assets and actively _____ in them.
- v.* to put money, effort, time, etc. into something to make a profit or achieve a result
92. I need to _____ my car regularly to prevent any major mechanical issues.
- v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
93. The event will _____ in a grand fireworks display.
- v.* to reach a peak or climax
94. He got an electric _____ at work.
- n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
95. Cities around the world set records for highest _____ this summer.
- n.* the degree of hotness or coldness of a thing or place
96. She explained the _____ surrounding the accident.
- n.* the specific conditions or events that surround a particular situation or occurrence
97. There are five distinct _____ at five unique wavelengths.
- n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 90. reduction, 91. invest, 92. maintain, 93. culminate, 94. shock, 95. temperatures, 96. circumstances, 97. emissions

98. She decided to _____ the kitchen floor to remove all the dirt and grime.
v. to clean something thoroughly, typically with a brush and soap or detergent
99. The car wash _____ sprayed a powerful stream of soapy water onto the vehicle.
n. a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
100. _____ technologies have dramatically improved productivity in various industries.
adj. starting to exist, mature, or become well-known
101. The older man _____ from arthritis and finds it difficult to move around.
v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
102. The ozone layer, which protects us from harmful UV radiation, is in the _____.
n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
103. The company has shown an excellent growth _____ over the years.
n. the curved path followed by an object moving through space
104. This typhoon was the most _____ in years.
adj. causing a great deal of destruction or damage
105. We can calculate the position of the _____ statistically.
n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

ANSWERS: 98. scrub, 99. nozzle, 100. Emerging, 101. suffers, 102. stratosphere, 103. trajectory, 104. devastating, 105. particles

106. The artist used a _____ paint can to create a graffiti mural on the wall.
n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
107. Your _____ reflects your thoughts.
n. an informal talk between two or more people to exchange their views, ideas, information, etc.
108. Cold temperatures and long, dark winters characterize the _____ climate.
adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold
109. Lost mobile phones lead to another potential _____ regarding privacy.
n. something dangerous and likely to cause damage
110. Nearly all tractors operate on _____ fuel.
n. a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
111. Mercury is the closest _____ to the sun.
n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
112. 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
113. His _____ speech about his struggles with addiction brought tears to the audience's eyes.
adj. causing strong emotions or feelings, especially sadness or sympathy

ANSWERS: 106. spray, 107. conversation, 108. arctic, 109. hazard, 110. diesel, 111. planet, 112. develop, 113. moving

114. Lead is an effective _____ against X-rays, gamma rays, and other harmful radiation.
- n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
115. The government tried to _____ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly
116. The senator received _____ criticism from his opponent.
- adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
117. The devastating _____ caused widespread damage and left many people homeless.
- n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
118. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
119. The building makes a remarkable _____ impact.
- adj.* relating to seeing or sight
120. His final goal is to sail around the _____.
- n.* the earth or world, mainly used to emphasize its vastness
121. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 114. shield, 115. accelerate, 116. severe, 117. hurricane, 118. medicinal, 119. visual, 120. globe, 121. statistics

122. She is still _____ from a shot to her shoulder.

v. to return to a former condition, health, mind, or strength

123. The _____ cause of the accident was due to the icy road conditions.

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

124. She is wearing a _____ necklace.

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

125. Following international law, our country does not _____ in the internal affairs of our neighbors.

v. to intentionally get involved in a situation to improve it or prevent it from getting worse

126. We _____ the payment because of an incorrect invoice.

v. to cause something to happen at a later time than originally intended or expected

127. He has _____ exercising because of a back injury sustained in an accident.

n. a condition or state that causes problems

128. _____ is the second most abundant element on earth after oxygen.

n. a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

ANSWERS: 122. recovering, 123. primary, 124. coral, 125. intervene, 126. delayed, 127. difficulty, 128. Silicon

129. The patient was prescribed a _____ supplement to help prevent osteoporosis.
- n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
130. 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
131. I will work hard to _____ my goals and realize my dreams.
- v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
132. The roof finally _____ after three days and three nights of heavy snowfall.
- v.* to fall down or give way suddenly, often after breaking apart
133. Before authorities _____ the protesters, they yelled slogans.
- v.* to spread out or distribute over a broad region, or to cause something to do so
134. 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
135. The spaceship began to burn up as it approached the Earth's _____.
- n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
136. Enhanced rail _____ is crucial for our business.
- n.* a system for moving people or products from one location to another using automobiles, roads, and so on

ANSWERS: 129. calcium, 130. excuse, 131. achieve, 132. collapsed, 133. dispersed, 134. government, 135. atmosphere, 136. transportation

137. Launching an artificial _____ contributed to the technological development of our country.
- n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
138. Battles between whites and blacks _____ immediately.
- v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
139. Jockey's superior _____ brought him victory.
- n.* a particular way or art of doing something that needs skill
140. The _____ emissions from the nearby factory caused the rotten egg smell.
- n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
141. This study indicates _____ activity affects global warming.
- adj.* relating to or produced by or consisting of volcano
142. A _____ audience viewed the broadcast.
- adj.* enormous in size, number, amount, or quantity
143. Male gorillas with good drumming skills are more _____.
- adj.* capable of being done as intended; able to succeed
144. The government established by the coup was more _____ than before.
- adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

ANSWERS: 137. satellite, 138. erupted, 139. technique, 140. sulfur, 141. volcanic, 142. vast, 143. viable, 144. radical

145. He had painted the wood to _____ stone.

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

146. _____ struggle to develop various laws and regulations to address international trade conflicts.

- n.* a person in charge of or involved in developing action plans for a political party, business, etc.

147. The issue of the death penalty is highly _____.

- adj.* causing a lot of hot public discussion and dispute

148. The _____ lost his position in the end due to the scandal.

- n.* a person who is a member of a government or law-making organization, especially as an elected member of parliament, etc.

149. The _____ acid ate away at the metal pipes.

- adj.* having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive

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

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

151. The marine _____ manufacturer demonstrated their newest hydroplane.

- n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter

152. My father's death _____ my life completely.

- v.* to change in outward structure or looks;

ANSWERS: 145. simulate, 146. Policymakers, 147. controversial, 148. politician, 149. corrosive, 150. Climate, 151. aircraft, 152. transformed

153. Most executives were _____ about future business conditions.
adj. hoping or expecting that good thing will happen or something will be successful
154. The _____ scarcity most severely impacted the manufacturing sector
n. a substance that is typically burned to generate heat or energy
155. This exam requires excellent _____ to pass.
n. the ability to focus all your time and energy on one thing without thinking about anything else.
156. 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
157. The paper is _____ worth reading thoroughly.
adv. without any question and beyond doubt; clearly
158. The explosive chemical reaction does not occur in all sodium _____.
n. a carbonic acid salt or ester that contains the anion CO₃
159. Unilateral import bans have _____ that country's terms of trade.
v. to become or make something worse
160. The _____ of Mexico is a body of water in the southern United States.
n. a large ocean inlet or deep bay that is partially enclosed by land
161. She received her _____ in psychology from the university.
n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 153. optimistic, 154. fuel, 155. concentration, 156. deployed, 157. definitely, 158. carbonate, 159. worsened, 160. Gulf, 161. degree

162. The sea surface temperature and _____ circulation are inextricably linked.

adj. about or located in the earth's atmosphere

163. It is _____ for politicians to be effective communicators.

adj. very important or requiring attention or action

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

adv. without restriction or limitation; completely or utterly

165. Ethics deals with _____ conduct.

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

166. I got a massive _____ on my new laptop during the Black Friday sale.

n. a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (verb) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price

167. This company has invested heavily in Internet _____.

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

168. This region has many _____ offering higher education.

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

169. The project's _____ made it difficult for the team to complete it on time.

n. the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 162. atmospheric, 163. imperative, 164. absolutely, 165. moral, 166. discount, 167. commerce, 168. institutes, 169. complexity

170. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
171. The two plays have many _____ parallels.
adj. attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
172. Our company needs to _____ the business impact of climate change.
v. to judge or decide the nature or quality of someone or something
173. She was struggling to make a _____ between two job offers.
n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options
174. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
175. Advocates for legal reform hear less harsh words from their _____.
n. someone who expresses opinions about the quality of books, music, etc.
176. The sun has risen, and the _____ has faded.
n. a cloud of very small drops of water collecting in the air just above the ground or water
177. The company's rules _____ the employee's working hours.
v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
178. Smoke from forest fires is causing an increase in _____ matter in the air.
adj. consisting of small particles, especially those that are suspended in a fluid or air

ANSWERS: 170. Technological, 171. striking, 172. assess, 173. decision, 174. possibility, 175. critics, 176. mist, 177. bind, 178. particulate

179. I will introduce some _____ on learning English in this class.

- n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

180. He _____ hypotheses that no mathematician has ever imagined before.

- v.* to build or create something; to assemble or combine different parts to form something whole

181. 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

182. 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

183. In southward, the average annual water _____ increases.

- n.* the amount or number of something; magnitude

184. The product is still in the _____ stage.

- adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

185. It is a basic instinct to _____ from a dangerous situation.

- v.* to leave by running away, especially out of fear or danger

ANSWERS: 179. tips, 180. constructs, 181. nation, 182. damage, 183. quantity, 184. experimental, 185. flee

186. It is not _____ and inefficient to complete many tasks at once.

adj. capable of being or likely to be made, done, or achieved

ANSWERS: 186. feasible