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Laura Robinson: *The secrets I find on the mysterious ocean floor* | TED Talk

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

All Words

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Session 1: Word List

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.

fossilized

adj. transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible

synonym: petrified, ossified, preserved

(1) obsolete **fossilized** ways, (2) a **fossilized** grove

The dinosaur bones were so old that they had been wholly **fossilized**, turning to stone over millions of years.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

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.

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.

tremendous

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

synonym : enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

spatial

adj. of or relating space and the position, area, and size of things

synonym : dimensional, geographical

(1) **spatial** ability, (2) **spatial** distribution

He carefully determined the **spatial** relations of every piece of the stage set.

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym : determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

feat

n. a notable or impressive achievement, especially one that requires great skill or bravery

synonym : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

equator

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**

Ecuador is on the **equator**.

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.

polar

adj. relating to, or close to, the North or South Pole; characterized by complete opposites

synonym : opposing, contrary, contrasting

(1) **polar** bears, (2) **polar** regions

Polar animals are graceful and efficient swimmers.

icecap

n. a mass of ice that permanently covers a considerable area of land, typically found in polar regions

synonym : glacier, ice sheet

(1) the shrinking **icecaps** in the Arctic, (2) receding **icecap**

The melting **icecaps** are a clear indication of climate change.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

plunge

v. to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

synonym : dive, drop, thrust

(1) **plunge** into the water, (2) **plunge** a dagger through his

heart

The company's profits **plunged** after the recall of their new product.

abyss

n. a deep, dark, or seemingly bottomless chasm or void
synonym: chasm, cavity, gulf

(1) the **abyss** of time, (2) an **abyss** of hopelessness

The deep sea is an **abyss** of mystery and discovery.

dense

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

synonym: heavy, thick, idiotic

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

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

cartoon

n. a simple drawing depicting a humorous or critical situation, often accompanied by a caption

synonym: illustration, drawing, caricature

(1) **cartoon** character, (2) **cartoon** industry

He spent his afternoon watching **cartoon** movies on TV.

continent

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

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

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

extended

adj. longer than usual or anticipated

synonym: extensive, prolonged, elongated

(1) **extended** vacation, (2) **extended** payment

The **extended** airport runways may accommodate larger jets.

carbon

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

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

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

oxide

n. a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

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.

colleague

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

synonym : coworker, associate, fellow

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

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

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.

transition

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

synonym : change, growth, shift

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

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

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.

radiation

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

synonym : dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**
He tried every possible treatment, including chemotherapy and **radiation** therapy.

drill

n. a tool or machine used for making round holes or driving fasteners; a training or practice

synonym : exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**
Several military **drill** programs have become popular methods of exercise.

iceberg

n. a large piece of ice floating in the sea, detached from a glacier

synonym : glacier, ice mass, floe

(1) hit an **iceberg**, (2) **iceberg** melting
The ship encountered a series of **icebergs** and had to change its course.

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**.

modern

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

synonym : contemporary, stylish, current

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

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

plateau

n. an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress

synonym : mesa, tableland, plain

(1) **plateau** region, (2) **plateau** in performance

The hikers finally reached the **plateau** after a long climb up the mountain.

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**.

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.

nutrient

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

synonym : food, vitamin

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

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

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.

spectacular

adj. striking or impressive to look at or in performance or achievement

synonym: breathtaking, impressive, grand

(1) **spectacular** view, (2) achieve **spectacular** growth

The **spectacular** fireworks display was the highlight of the festival.

seamount

n. an underwater mountain or volcano that rises from the ocean floor but does not reach the surface, often forming a peak or cone-shaped landform

synonym: seafloor mountain, submarine volcano

(1) underwater **seamount**, (2) volcanic **seamount**

Seamount chains are formed by the movement of a tectonic plate over a hotspot.

Atlantic

adj. relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east

(1) **Atlantic** breeze, (2) **Atlantic** salmon

The **Atlantic** hurricane season runs from June to November each year.

seafloor

n. the bottom of the ocean

synonym: ocean floor, benthic zone, abyssal plain

(1) **seafloor** exploration, (2) **seafloor** mapping

The oceanographer studied the **seafloor** topography to understand how it had changed over time.

intense

adj. (especially of a feeling) very strong; extremely sharp or severe

synonym: extreme, fierce, harsh

(1) **intense** heat, (2) develop **intense** itching
That statement by the prime minister drew **intense** international criticism.

taxonomy

n. the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area

synonym: classification, categorization, hierarchy

(1) **taxonomy** system, (2) biological **taxonomy**

The **taxonomy** of insects is incredibly complex due to the huge number of species.

bubble

n. a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

synonym: blob, balloon, mania

(1) **bubble** in the champagne glass, (2) economic **bubble**

Many people worry that the current real estate market is a **bubble** that could burst soon.

brittle

adj. easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

synonym: fragile, breakable, delicate

(1) **brittle** bones, (2) **brittle** material

The old books in the library were so **brittle** that they crumbled upon touch.

tentacle

n. a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving

(1) a squid's **tentacle**, (2) posterior **tentacle**

The police caught the fugitive criminal in the **tentacles** of an expanded investigation.

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**.

basalt

n. a dark, fine-grained volcanic rock that forms from the solidification of lava

synonym : volcanic rock, lava, igneous rock

(1) **basalt** rock, (2) **basalt** glass

The hiking trail was lined with towering **basalt** columns.

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.

undersea

adj. located or occurring beneath the surface of the sea

synonym : underwater, subaquatic, marine

(1) **undersea** earthquake, (2) **undersea** habitat

The **undersea** environment is very different from the surface, with unique flora and fauna.

charter

n. a document that grants certain rights or privileges; a contract to hire or lease transportation

synonym : constitution, agreement, pact

(1) a **charter** flight, (2) the **Charter** of the United Nations

The **charter** of the organization outlines its mission and

goals.

vessel

n. a ship or large boat

synonym : boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

moor

n. a large area of open country, typically on high ground, covered with rough grass or heath, especially in Britain

synonym : heath, upland, bog

(1) low- **moor** bog, (2) **moor** the ship

The rolling **moor** was a large, open area of high ground covered with heather.

mariner

n. a sailor or seaman; someone who works or travels on a boat or ship

synonym : sailor, seafarer, navigator

(1) **mariner's** compass, (2) seasoned **mariner**

The experienced **mariner** guided the ship through treacherous waters.

precious

adj. uncommon and extremely valuable

synonym : adored, cherished, valued

(1) price of **precious** metals, (2) **precious** information

We cannot afford to squander **precious** time.

scurry

v. to move hurriedly and with little or no grace, often with sudden changes in direction

synonym : hasten, rush, dart

(1) **scurry** back and forth, (2) **scurry** about aimlessly

The squirrels tried to **scurry** up the tree to avoid the dog.

terribly

adv. very badly; to a great extent or very much

synonym : awfully, abominably, badly

(1) suffer **terribly**, (2) I am **terribly** sorry

His arm was swollen and **terribly** red.

seasick

adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

synonym : nauseous, seasickness, queasy

(1) avoid getting **seasick**, (2) **seasick** medication

The rough waves made some passengers feel **seasick** during the boat ride.

abundance

n. a significant amount of something; the situation in which there is too much of something

synonym : plenty, affluence, plentitude

(1) an age of **abundance**, (2) an **abundance** of examples

A healthy farm provides an **abundance** of food.

overlay

v. to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it

synonym : cover, superimpose, layer

(1) **overlay** multiple graphs, (2) **overlay** image

They tried to **overlay** the old map with the new one to compare the changes.

cruise

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

synonym : sail, voyage, journey

(1) the **cruise** line, (2) adaptive **cruise** control

The family took a **cruise** to the Caribbean for their vacation.

fraction

n. a small part or item forming a piece of a whole; the quotient of two rational numbers

synonym : piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

featureless

adj. lacking distinctive qualities, characteristics, or features; plain, unremarkable, or nondescript

synonym : blank, plain, feature-free

(1) **featureless** landscape, (2) **featureless** interior

The wall was **featureless**, with no patterns or designs to break up its dullness.

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.

equip

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

synonym : prepare, furnish, provide

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

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

remotely

adv. at a distance; not directly or easily accessible

synonym : distantly, remotely, slightly

(1) **remotely** operate, (2) control **remotely**

The company can **remotely** access its employees' computers for troubleshooting purposes.

meter

n. a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse

synonym : gauge, indicator, rhythm

(1) a gas **meter**, (2) poetic **meter**

The **meter** on the wall showed that the room was three meters long.

grade

n. a particular level of quality, size, importance, etc.

synonym : score, rate, degree

(1) boys in the twelfth **grade**, (2) students at all **grade** levels
Departments may set requirements for a higher **grade** point average.

array

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

synonym: collection, display, batch

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

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

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym: control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**

Please tell me how to **manipulate** this computer.

dive

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

synonym: dip, leap, plunge

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

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

sponge

n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

(1) sea **sponge**, (2) metallic **sponge**

The tiny marine **sponge** has existed for more than 500 million years.

holothurian

n. a marine animal belonging to the class Holothuroidea, commonly known as sea cucumbers, characterized by their elongated bodies and presence in various oceanic environments

synonym: sea cucumber, sea slug, marine echinoderm

(1) **holothurian** species, (2) **holothurian** habitat

The marine biologist studied the behavior of the **holothurian** in its natural habitat.

slug

n. a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink

(1) lazy **slug**, (2) reduce **slug** damage

I spotted a giant **slug** in the rain garden.

trigger

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

synonym: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

suddenly

adv. quickly and unexpectedly

synonym: abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

giant

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

synonym: big, gigantic, huge

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

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

monster

n. an imaginary creature that is large and has various human and animal parts; someone or something large and powerful

synonym: giant, freak, behemoth

(1) horde of **monsters**, (2) **monster** film

This car has a **monster** engine.

roll

v. to move in a particular direction by turning over and over or from side to side
synonym: spin, swirl, wheel
(1) **roll** a ball, (2) **roll** down his cheeks
He was exhausted and **rolled** into bed as soon as he got home.

pyrolysis

n. a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts
synonym: thermolysis, carbonization, conversion
(1) bio- **pyrolysis**, (2) **pyrolysis** plant
The **pyrolysis** of wood produces charcoal, which can be used as a fuel source.

colonial

adj. of or relating to a colony (= a territory that is controlled by a more powerful country); to the period of time during which a country or region was a colony
synonym: imperial, immigrant, gregarious
(1) oppressive **colonial** rule, (2) **colonial** style
The city has a rich **colonial** history, with many historic buildings and landmarks.

centimeter

n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
(1) **centimeter** measurement, (2) thirty **centimeters** tall
The room was only one **centimeter** wider than the piano, making it a tight fit.

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.

ph

n. a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

synonym: acidity, alkalinity, balance

(1) **pH** value of seven, (2) **ph** scale

The **ph** level of this soil is too acidic for these types of plants.

skeleton

n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

synonym: bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand

Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

fossil

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

synonym: relic, remnant, antediluvian

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

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

specimen

n. an individual example or sample of something, typically used to represent a larger group or category

synonym: example, sample, model

(1) **specimen** collection, (2) botanical **specimen**

The biology teacher showed the students a frog **specimen** so they could examine its anatomy.

reconstruct

v. to build or form something again that has been damaged or destroyed

synonym: rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text

They've decided to **reconstruct** a ruined castle.

vacuum

n. a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

synonym : void, emptiness, gap

(1) **vacuum** cleaner, (2) **vacuum** packing

Please use the **vacuum** to clean up the mess on the floor.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym : limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

polish

n. a substance used to smooth or shine a surface; the act of smoothing or shining a surface

synonym : shine, buff, gloss

(1) **polish** finishing, (2) surface **polish**

I used a special **polish** to make my car's paint shine.

micron

n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

synonym : micrometer

(1) **micron** measurements, (2) **micron** imaging

The width of a single human hair is around 100 **microns**.

analyze

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

synonym : explore, examine, investigate

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

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

glacial

adj. relating to or resembling a glacier (= a slowly moving mass of ice) or the process of glaciation; characterized by an extremely slow or gradual pace or movement

synonym : cold, icy, frozen

(1) **glacial** movements, (2) **glacial** terrain

The **glacial** pace of the negotiations frustrated both parties.

maximum

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

synonym : peak, top, highest

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

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

unpopular

adj. not liked, supported, or approved by many people; having an unfavorable reputation

synonym : disliked, unloved, unsupported

(1) **unpopular** decision, (2) an **unpopular** opinion

The politician's stance on controversial issues made him an **unpopular** candidate for many voters.

shark

n. a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

synonym : swindler, con artist, crook

(1) a man-eating **shark**, (2) card **shark**

He borrowed money from a loan **shark**.

shovel

n. a tool with a handle and broad scoop or blade used for digging or moving Earth, coal, snow, or other granular materials

synonym : excavator, scoop, trowel

(1) snow **shovel**, (2) **shovel** blade

The construction workers used a power **shovel** to dig the foundation for the building.

slice

n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

synonym : piece, portion, slit

(1) a **slice** of the company's revenue, (2) **slice** a tomato thin
The children complained because one **slice** of cake was slightly larger than the other.

optical

adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light

synonym : visual, ocular

(1) new **optical** glasses, (2) **optical** fiber

The **optical** illusion made it appear like the building was floating in midair.

nuclear

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

synonym : atomic

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

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

react

v. to take action in response to something

synonym : respond, reply, oppose

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

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

induce

v. to persuade someone to do something; to cause to act in a specific manner

synonym : cause, encourage, persuade

(1) **induce** a crisis, (2) **induce** him to see a doctor

The lack of sleep **induces** both physical and psychological diseases.

fission

n. the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces

synonym : splitting, division, separation

(1) heavy-ion **fission**, (2) atomic **fission**

Nuclear **fission** is the process of splitting an atom into two smaller ones.

decay

n. the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi;
(verb) to rot or decompose through natural causes

synonym: corrosion, decomposition, deterioration

(1) radioactive **decay**, (2) prevent tooth **decay**

The dead body was in an advanced state of **decay**.

uranium

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

synonym: U

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

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

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym: broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

regard

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

synonym: consider, see, reckon

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

Frugality and industry are still **regarded** as virtues.

laser

n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

synonym: beam, bar, ray

(1) **laser** printer, (2) pulse **laser**

The company holds patents on core components of **laser** jet printers.

thorium

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

synonym : Th, radioactive element

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

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

animation

n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

synonym : motion, movement, liveliness

(1) **animation** studio, (2) **animation** film

The **animation** of the characters in the movie was so realistic, and it was as if they were there.

illustrate

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation

synonym : demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story

The company's financial records **illustrate** how successful it has been.

ancient

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

synonym : archaic, age-old, obsolete

(1) pre-Christian **ancient**, (2) **ancient** stories

They have been living near water since **ancient** times.

density

n. the quality of compactness of a substance

synonym : tightness, viscosity

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

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

dynamic

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

synonym : energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

turbulent

adj. marked by a lot of sudden changes, confusion, or uncertainty; characterized by intense activity or agitation

synonym : chaotic, stormy, tumultuous

(1) **turbulent** waves, (2) **turbulent** age

The stock market has been **turbulent** lately, with prices fluctuating rapidly.

exchange

v. to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

synonym : trade, swap, interchange

(1) **exchange** rate, (2) **exchange** a few friendly words

My sister and I frequently **exchange** books, as we love reading.

essentially

adv. relating to the essential features or concepts of anything

synonym : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

migrate

v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

synonym : relocate, emigrate, roam

(1) **migrate** across borders, (2) **migrate** a service
Many Germans **migrated** to South America in the mid-19th century.

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**
The passenger grabbed for the **oxygen** mask.

illustration

n. a picture or diagram in a book, magazine, or newspaper that is used to explain or decorate the text; the act or process of explaining something

synonym: picture, diagram, explanation

(1) educational **illustration**, (2) **illustration** artist
The **illustration** in the book helped me understand the concept better.

intermediate

adj. situated between two locations, things, states, etc.; around the middle of a scale of evaluation

synonym: middle, medium, central

(1) **intermediate** sanction, (2) **intermediate** level
Purple is **intermediate** between blue and red.

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**.

slide

v. to move or cause to move smoothly along a surface without interruption

synonym: glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance
If necessary, you can **slide** the front seats forward.

appreciate

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

synonym: acknowledge, admire, enjoy

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

We would **appreciate** an early reply.

Session 2: Spelling

1. biological ta____my
n. the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area
2. professor of ch____ry
n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions
3. sp____en collection
n. an individual example or sample of something, typically used to represent a larger group or category
4. blood ve____ls
n. a ship or large boat
5. a precise def____on
n. a concise explanation of the meaning of a word, phrase, or symbol
6. gi__t tech company
adj. enormous; much bigger or more important than similar items usually are
7. a ch____r flight
n. a document that grants certain rights or privileges; a contract to hire or lease transportation
8. ill____te a story
v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation
9. sl__e a tomato thin
n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

ANSWERS: 1. taxonomy, 2. chemistry, 3. specimen, 4. vessel, 5. definition, 6. giant, 7. charter, 8. illustrate, 9. slice

- | | |
|---|---|
| 10. the ma_____m speed | <i>adj.</i> the largest or greatest amount or value attainable or attained |
| 11. se_____or mapping | <i>n.</i> the bottom of the ocean |
| 12. higher pixel de_____y | <i>n.</i> the quality of compactness of a substance |
| 13. card sh__k | <i>n.</i> a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest |
| 14. exposure to ra_____on | <i>n.</i> the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health |
| 15. ma_____e amounts | <i>adj.</i> enormous amount; very heavy and solid |
| 16. an un_____ar opinion | <i>adj.</i> not liked, supported, or approved by many people; having an unfavorable reputation |
| 17. the shrinking ic___ps in the Arctic | <i>n.</i> a mass of ice that permanently covers a considerable area of land, typically found in polar regions |
| 18. f__t accomplishment | <i>n.</i> a notable or impressive achievement, especially one that requires great skill or bravery |
| 19. population de_____y | <i>n.</i> the quality of compactness of a substance |
| 20. ur_____m mining | <i>n.</i> a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants |

ANSWERS: 10. maximum, 11. seafloor, 12. density, 13. shark, 14. radiation, 15. massive, 16. unpopular, 17. icecap, 18. feat, 19. density, 20. uranium

21. a man-eating sh__k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
22. south of the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
23. an____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
24. lack of ox____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
25. a fr____onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
26. se____or exploration *n.* the bottom of the ocean
27. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
28. sea sp____e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
29. gl____l terrain *adj.* relating to or resembling a glacier (= a slowly moving mass of ice) or the process of glaciation; characterized by an extremely slow or gradual pace or movement

ANSWERS: 21. shark, 22. equator, 23. analyze, 24. oxygen, 25. fraction, 26. seafloor, 27. dive, 28. sponge, 29. glacial

30. mo___n poetry *adj.* of or belonging to the present time or recent times
31. an age of ab_____ce *n.* a significant amount of something; the situation in which there is too much of something
32. bu___e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
33. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
34. new op_____l glasses *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
35. sc___y back and forth *v.* to move hurriedly and with little or no grace, often with sudden changes in direction
36. the steel sk_____on of a building *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
37. 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

ANSWERS: 30. modern, 31. abundance, 32. bubble, 33. radiation, 34. optical, 35. scurry, 36. skeleton, 37. primary

46. At____ic breeze *adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
47. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
48. ensure a smooth tra_____on *n.* the process or period of changing from one state or circumstance to another
49. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
50. educational ill_____ion *n.* a picture or diagram in a book, magazine, or newspaper that is used to explain or decorate the text; the act or process of explaining something
51. a cold cl_____e *n.* the weather in a particular location averaged over some long period
52. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
53. pH value of seven *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

ANSWERS: 46. Atlantic, 47. equip, 48. transition, 49. degree, 50. illustration, 51. climate, 52. carbon, 53. ph

54. ic_____g melting *n.* a large piece of ice floating in the sea, detached from a glacier
55. un_____ea earthquake *adj.* located or occurring beneath the surface of the sea
56. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
57. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
58. pulse la__r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
59. ex_____ge rate *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
60. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
61. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
62. heavy-ion fi_____n *n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces

ANSWERS: 54. iceberg, 55. undersea, 56. slide, 57. analyze, 58. laser, 59. exchange, 60. oxide, 61. appreciate, 62. fission

63. a two-dimensional ar__y *n.* a large group or collection of things or people, especially one that is impressive or attractive
64. va___m cleaner *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
65. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
66. br_____e bones *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
67. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
68. br_____e material *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
69. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
70. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
71. tre_____us popularity *adj.* very great in degree or extent or amount or impact; extremely good
72. naval ve___ls *n.* a ship or large boat
73. develop in_____e itching *adj.* (especially of a feeling) very strong; extremely sharp or severe
74. atomic fi_____n *n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces

ANSWERS: 63. array, 64. vacuum, 65. fossil, 66. brittle, 67. hemisphere, 68. brittle, 69. dimension, 70. fraction, 71. tremendous, 72. vessel, 73. intense, 74. fission

75. 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
76. in_____e heat
adj. (especially of a feeling) very strong; extremely sharp or severe
77. control re_____ly
adv. at a distance; not directly or easily accessible
78. gl_____l movements
adj. relating to or resembling a glacier (= a slowly moving mass of ice) or the process of glaciation; characterized by an extremely slow or gradual pace or movement
79. in_____e a crisis
v. to persuade someone to do something; to cause to act in a specific manner
80. alkaline ca_____te
n. a carbonic acid salt or ester that contains the anion CO₃
81. man_____te figures
v. to influence or control something or someone to your advantage, often in an unfair or dishonest way
82. 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
83. the crosswise di_____on
n. a measurable extent of a particular kind, such as width, height, or length
84. gi__t trees
adj. enormous; much bigger or more important than similar items usually are
85. radioactive de__y
n. the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi; (verb) to rot or decompose through natural causes

ANSWERS: 75. atmosphere, 76. intense, 77. remotely, 78. glacial, 79. induce, 80. carbonate, 81. manipulate, 82. trap, 83. dimension, 84. giant, 85. decay

86. re___d the situation as unfortunate *v.* to think about or consider somebody or something in a specified way
87. mi_____e a service *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
88. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
89. 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.
90. su_____ly attacked by an enemy *adv.* quickly and unexpectedly
91. the cr___e line *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
92. the Ch_____r of the United Nations *n.* a document that grants certain rights or privileges; a contract to hire or lease transportation
93. seasoned ma_____r *n.* a sailor or seaman; someone who works or travels on a boat or ship
94. mi___n measurements *n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
95. suffer te_____ly *adv.* very badly; to a great extent or very much
96. 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.

ANSWERS: 86. regard, 87. migrate, 88. colleague, 89. satellite, 90. suddenly, 91. cruise, 92. charter, 93. mariner, 94. micron, 95. terribly, 96. satellite

97. int_____ate sanction *adj.* situated between two locations, things, states, etc.; around the middle of a scale of evaluation
98. an_____on studio *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
99. dy_____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
100. ph scale *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
101. re__t against his way of thinking *v.* to take action in response to something
102. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
103. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
104. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 97. intermediate, 98. animation, 99. dynamic, 100. ph, 101. react, 102. environment, 103. dive, 104. feat

105. pl____u region *n.* an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress
106. ess_____ly correct *adv.* relating to the essential features or concepts of anything
107. de___y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
108. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
109. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
110. oppressive co_____al rule *adj.* of or relating to a colony (= a territory that is controlled by a more powerful country); to the period of time during which a country or region was a colony
111. poetic me__r *n.* a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
112. 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
113. achieve spe_____ar growth *adj.* striking or impressive to look at or in performance or achievement

ANSWERS: 105. plateau, 106. essentially, 107. deploy, 108. predict, 109. distribute, 110. colonial, 111. meter, 112. deploy, 113. spectacular

114. ex____ge a few friendly words *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
115. use of nu____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
116. the dr__l hit the well *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
117. ov____y multiple graphs *v.* to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it
118. prevent tooth de__y *n.* the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi; (verb) to rot or decompose through natural causes
119. ill______ion artist *n.* a picture or diagram in a book, magazine, or newspaper that is used to explain or decorate the text; the act or process of explaining something

ANSWERS: 114. exchange, 115. nuclear, 116. drill, 117. overlay, 118. decay, 119. illustration

120. boys in the twelfth gr__e *n.* a particular level of quality, size, importance, etc.
121. the hydrogen binds the ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
122. the def_____on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
123. sh___l blade *n.* a tool with a handle and broad scoop or blade used for digging or moving Earth, coal, snow, or other granular materials
124. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
125. avoid getting se_____k *adj.* feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
126. rec_____ct an image *v.* to build or form something again that has been damaged or destroyed
127. toxic ch_____als *adj.* relating to or connected with chemistry;
128. mi___n imaging *n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
129. silver ox___e *n.* a chemical compound that contains at least one oxygen atom and one other element
130. pl___e into the water *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

ANSWERS: 120. grade, 121. oxygen, 122. definition, 123. shovel, 124. fossil, 125. seasick, 126. reconstruct, 127. chemical, 128. micron, 129. oxide, 130. plunge

131. a squid's te____le *n.* a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
132. vulnerable to man_____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
133. sl__e a glance *v.* to move or cause to move smoothly along a surface without interruption
134. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
135. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
136. underwater se_____nt *n.* an underwater mountain or volcano that rises from the ocean floor but does not reach the surface, often forming a peak or cone-shaped landform
137. hit an ic_____g *n.* a large piece of ice floating in the sea, detached from a glacier
138. nutrient-de__e foods *adj.* containing a large number of people or something with little space between them
139. posterior te____le *n.* a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
140. la__r printer *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

ANSWERS: 131. tentacle, 132. manipulate, 133. slide, 134. environment, 135. predict, 136. seamount, 137. iceberg, 138. dense, 139. tentacle, 140. laser

141. above the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
142. sp____l distribution *adj.* of or relating space and the position, area, and size of things
143. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
144. a fos_____ed grove *adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
145. hol_____an habitat *n.* a marine animal belonging to the class Holothuroidea, commonly known as sea cucumbers, characterized by their elongated bodies and presence in various oceanic environments
146. the ab__s of time *n.* a deep, dark, or seemingly bottomless chasm or void
147. bio-py_____is *n.* a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts
148. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

ANSWERS: 141. equator, 142. spatial, 143. distribute, 144. fossilized, 145. holothurian, 146. abyss, 147. pyrolysis, 148. continent

149. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
150. ca_____n industry *n.* a simple drawing depicting a humorous or critical situation, often accompanied by a caption
151. spe_____ar view *adj.* striking or impressive to look at or in performance or achievement
152. fea_____ss interior *adj.* lacking distinctive qualities, characteristics, or features; plain, unremarkable, or nondescript
153. ca_____m deficiency *n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
154. tu_____nt waves *adj.* marked by a lot of sudden changes, confusion, or uncertainty; characterized by intense activity or agitation
155. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
156. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
157. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
158. mo_____r film *n.* an imaginary creature that is large and has various human and animal parts; someone or something large and powerful

ANSWERS: 149. branch, 150. cartoon, 151. spectacular, 152. featureless, 153. calcium, 154. turbulent, 155. roll, 156. climate, 157. temperature, 158. monster

159. ex____ed vacation *adj.* longer than usual or anticipated
160. an ab_____ce of examples *n.* a significant amount of something; the situation in which there is too much of something
161. 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
162. re_____ly operate *adv.* at a distance; not directly or easily accessible
163. co_____al style *adj.* of or relating to a colony (= a territory that is controlled by a more powerful country); to the period of time during which a country or region was a colony
164. se_____k medication *adj.* feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
165. I am te_____ly sorry *adv.* very badly; to a great extent or very much
166. students at all gr__e levels *n.* a particular level of quality, size, importance, etc.
167. 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
168. rec_____ct the original text *v.* to build or form something again that has been damaged or destroyed
169. mi_____e across borders *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

ANSWERS: 159. extended, 160. abundance, 161. trap, 162. remotely, 163. colonial, 164. seasick, 165. terribly, 166. grade, 167. degree, 168. reconstruct, 169. migrate

170. sk____ on hand *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
171. price of pr____ us metals *adj.* uncommon and extremely valuable
172. ba____ t rock *n.* a dark, fine-grained volcanic rock that forms from the solidification of lava
173. a glare of su____ ht *n.* the light emitted by the sun; the rays of the sun
174. low-m__r bog *n.* a large area of open country, typically on high ground, covered with rough grass or heath, especially in Britain
175. a ch____ al compound *adj.* relating to or connected with chemistry;
176. receding ic____ p *n.* a mass of ice that permanently covers a considerable area of land, typically found in polar regions
177. 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
178. m__r the ship *n.* a large area of open country, typically on high ground, covered with rough grass or heath, especially in Britain
179. tu____ nt age *adj.* marked by a lot of sudden changes, confusion, or uncertainty; characterized by intense activity or agitation
180. At____ ic salmon *adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east

ANSWERS: 170. skeleton, 171. precious, 172. basalt, 173. sunlight, 174. moor, 175. chemical, 176. icecap, 177. atmosphere, 178. moor, 179. turbulent, 180. Atlantic

181. po__r regions *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
182. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
183. an ar__y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive
184. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
185. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
186. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
187. adaptive cr___e control *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
188. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
189. res_____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

ANSWERS: 181. polar, 182. temperature, 183. array, 184. resolution, 185. roll, 186. colleague, 187. cruise, 188. appreciate, 189. resolution

190. lazy s__g *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
191. ma_____e stars *adj.* enormous amount; very heavy and solid
192. a gas me__r *n.* a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
193. ma_____m limit *adj.* the largest or greatest amount or value attainable or attained
194. re___d him as an enemy *v.* to think about or consider somebody or something in a specified way
195. cen_____er measurement *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
196. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
197. volcanic se_____nt *n.* an underwater mountain or volcano that rises from the ocean floor but does not reach the surface, often forming a peak or cone-shaped landform
198. un_____ar decision *adj.* not liked, supported, or approved by many people; having an unfavorable reputation
199. a nu_____nt for hair *n.* any substance that is essential for the maintenance and growth of living things
200. an_____on film *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

ANSWERS: 190. slug, 191. massive, 192. meter, 193. maximum, 194. regard, 195. centimeter, 196. modern, 197. seamount, 198. unpopular, 199. nutrient, 200.

animation

201. po___h finishing *n.* a substance used to smooth or shine a surface; the act of smoothing or shining a surface
202. reduce s__g damage *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
203. botanical sp_____en *n.* an individual example or sample of something, typically used to represent a larger group or category
204. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
205. thirty cen_____ers tall *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
206. po__r bears *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
207. 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
208. sodium ca_____te *n.* a carbonic acid salt or ester that contains the anion CO₃
209. int_____ate level *adj.* situated between two locations, things, states, etc.; around the middle of a scale of evaluation

ANSWERS: 201. polish, 202. slug, 203. specimen, 204. transport, 205. centimeter, 206. polar, 207. primary, 208. carbonate, 209. intermediate

210. a sl__e of the company's revenue *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
211. economic bu___e *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
212. th_____m deposit *n.* a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors
213. fea_____ss landscape *adj.* lacking distinctive qualities, characteristics, or features; plain, unremarkable, or nondescript
214. become ess_____ly same *adv.* relating to the essential features or concepts of anything
215. re__t at a high temperature *v.* to take action in response to something
216. radioactive ur_____m isotope *n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
217. die su_____ly *adv.* quickly and unexpectedly
218. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
219. sp_____l ability *adj.* of or relating space and the position, area, and size of things

ANSWERS: 210. slice, 211. bubble, 212. thorium, 213. featureless, 214. essentially, 215. react, 216. uranium, 217. suddenly, 218. transport, 219. spatial

220. tr____r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
221. de__e forests *adj.* containing a large number of people or something with little space between them
222. in___e him to see a doctor *v.* to persuade someone to do something; to cause to act in a specific manner
223. th_____m reactor *n.* a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors
224. br___h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
225. ma_____r's compass *n.* a sailor or seaman; someone who works or travels on a boat or ship
226. in direct su_____ht *n.* the light emitted by the sun; the rays of the sun
227. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
228. surface po___h *n.* a substance used to smooth or shine a surface; the act of smoothing or shining a surface
229. va___m packing *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

ANSWERS: 220. trigger, 221. dense, 222. induce, 223. thorium, 224. branch, 225. mariner, 226. sunlight, 227. equip, 228. polish, 229. vacuum

230. horde of mo____rs *n.* an imaginary creature that is large and has various human and animal parts; someone or something large and powerful
231. ta____my system *n.* the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area
232. ov____y image *v.* to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it
233. ca____n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
234. 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
235. metallic sp____e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
236. cerebral hem____re *n.* half of the terrestrial globe; half of a sphere
237. ca____n character *n.* a simple drawing depicting a humorous or critical situation, often accompanied by a caption

ANSWERS: 230. monster, 231. taxonomy, 232. overlay, 233. carbon, 234. calcium, 235. sponge, 236. hemisphere, 237. cartoon

238. pr____us information *adj.* uncommon and extremely valuable
239. un____ea habitat *adj.* located or occurring beneath the surface of the sea
240. tr____r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
241. nu____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
242. nu____nt medicine *n.* any substance that is essential for the maintenance and growth of living things
243. an____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
244. obsolete fos____ed ways *adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
245. ex____ed payment *adj.* longer than usual or anticipated
246. hol____an species *n.* a marine animal belonging to the class Holothuroidea, commonly known as sea cucumbers, characterized by their elongated bodies and presence in various oceanic environments
247. a dy____c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 238. precious, 239. undersea, 240. trigger, 241. nuclear, 242. nutrient, 243. ancient, 244. fossilized, 245. extended, 246. holothurian, 247. dynamic

248. tre_____us amount *adj.* very great in degree or extent or amount or impact; extremely good
249. ba___t glass *n.* a dark, fine-grained volcanic rock that forms from the solidification of lava
250. tra_____on phase *n.* the process or period of changing from one state or circumstance to another
251. pre-Christian an_____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
252. op_____l fiber *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
253. ill_____te a key point *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
254. sc___y about aimlessly *v.* to move hurriedly and with little or no grace, often with sudden changes in direction

ANSWERS: 248. tremendous, 249. basalt, 250. transition, 251. ancient, 252. optical, 253. illustrate, 254. scurry

Session 3: Fill in the Blanks

1. The _____ temperature recorded this summer was higher than average.
adj. the largest or greatest amount or value attainable or attained
2. _____ chains are formed by the movement of a tectonic plate over a hotspot.
n. an underwater mountain or volcano that rises from the ocean floor but does not reach the surface, often forming a peak or cone-shaped landform
3. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
4. The wall was _____ with no patterns or designs to break up its dullness.
adj. lacking distinctive qualities, characteristics, or features; plain, unremarkable, or nondescript
5. Departments may set requirements for a higher _____ point average.
n. a particular level of quality, size, importance, etc.
6. The nation's healthcare system is in _____ at the moment.
n. the process or period of changing from one state or circumstance to another
7. We would _____ an early reply.
v. to value and acknowledge the worth of someone or something; to be grateful for something or someone
8. Do you know the _____ of the population in Hong Kong?
n. the quality of compactness of a substance

ANSWERS: 1. maximum, 2. Seamount, 3. modern, 4. featureless, 5. grade, 6. transition, 7. appreciate, 8. density

9. Several military _____ programs have become popular methods of exercise.
n. a tool or machine used for making round holes or driving fasteners; a training or practice
10. I spotted a giant _____ in the rain garden.
n. a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
11. The _____ of insects is incredibly complex due to the huge number of species.
n. the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area
12. The rough waves made some passengers feel _____ during the boat ride.
adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
13. The dead body was in an advanced state of _____.
n. the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi; (verb) to rot or decompose through natural causes
14. He carefully determined the _____ relations of every piece of the stage set.
adj. of or relating space and the position, area, and size of things
15. The customer on the Internet has to choose one from a formidable _____ of products.
n. a large group or collection of things or people, especially one that is impressive or attractive

ANSWERS: 9. drill, 10. slug, 11. taxonomy, 12. seasick, 13. decay, 14. spatial, 15. array

16. Trees absorb _____ dioxide and give off oxygen.
n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
17. The _____ on the wall showed that the room was three meters long.
n. a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
18. The oceanographer studied the _____ topography to understand how it had changed over time.
n. the bottom of the ocean
19. He borrowed money from a loan _____.
n. a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
20. The _____ environment is very different from the surface, with unique flora and fauna.
adj. located or occurring beneath the surface of the sea
21. Please tell me how to _____ this computer.
v. to influence or control something or someone to your advantage, often in an unfair or dishonest way
22. We had a _____ time yesterday.
adj. very great in degree or extent or amount or impact; extremely good
23. The old books in the library were so _____ that they crumbled upon touch.
adj. easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

ANSWERS: 16. carbon, 17. meter, 18. seafloor, 19. shark, 20. undersea, 21. manipulate, 22. tremendous, 23. brittle

24. The _____ illusion made it appear like the building was floating in midair.
adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
25. He is familiar with _____ and biology.
n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions
26. The company's profits _____ after the recall of their new product.
v. to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
27. The _____ of the tree had fallen and blocked the road.
n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
28. The lack of sleep _____ both physical and psychological diseases.
v. to persuade someone to do something; to cause to act in a specific manner
29. The police caught the fugitive criminal in the _____ of an expanded investigation.
n. a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
30. Who answers _____ knows little.
adv. quickly and unexpectedly
31. The _____ in the book helped me understand the concept better.
n. a picture or diagram in a book, magazine, or newspaper that is used to explain or decorate the text; the act or process of explaining something

ANSWERS: 24. optical, 25. chemistry, 26. plunged, 27. branch, 28. induces, 29. tentacles, 30. suddenly, 31. illustration

32. The incident _____ a political controversy.
- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
33. 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
34. I decided to seek counseling on the advice of my _____.
- n.* one of a group of a coworker, especially in a profession or a business
35. The hiking trail was lined with towering _____ columns.
- n.* a dark, fine-grained volcanic rock that forms from the solidification of lava
36. Flight across the _____ was a daring adventure in its day.
- n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
37. The dinosaur bones were so old that they had been wholly _____ turning to stone over millions of years.
- adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
38. The teacher attempted to _____ the root cause of our mistake.
- v.* to think about in-depth and evaluate to discover essential features or meaning
39. Many countries have now agreed to a treaty banning the use of _____ weapons.
- adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

ANSWERS: 32. triggered, 33. primary, 34. colleague, 35. basalt, 36. continent, 37. fossilized, 38. analyze, 39. nuclear

40. 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
41. The sperm whale can _____ to 1,000 meters.
- v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
42. 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
43. His arm was swollen and _____ red.
- adv.* very badly; to a great extent or very much
44. The tiny marine _____ has existed for more than 500 million years.
- n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
45. They used fast-acting _____ on the flowers in the flower beds.
- n.* any substance that is essential for the maintenance and growth of living things
46. They've decided to _____ a ruined castle.
- v.* to build or form something again that has been damaged or destroyed
47. The construction workers used a power _____ to dig the foundation for the building.
- n.* a tool with a handle and broad scoop or blade used for digging or moving Earth, coal, snow, or other granular materials

ANSWERS: 40. environment, 41. dive, 42. calcium, 43. terribly, 44. sponge, 45. nutrients, 46. reconstruct, 47. shovel

48. 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
49. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
50. The _____ arrived in port the following day.
n. a ship or large boat
51. 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
52. This car has a _____ engine.
n. an imaginary creature that is large and has various human and animal parts; someone or something large and powerful
53. We cannot afford to squander _____ time.
adj. uncommon and extremely valuable
54. The deep sea is an _____ of mystery and discovery.
n. a deep, dark, or seemingly bottomless chasm or void
55. The company can _____ access its employees' computers for troubleshooting purposes.
adv. at a distance; not directly or easily accessible
56. The sprinter has a _____ way of running.
adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 48. transportation, 49. Climate, 50. vessel, 51. atmosphere, 52. monster, 53. precious, 54. abyss, 55. remotely, 56. dynamic

57. The explosive chemical reaction does not occur in all sodium _____.
- n.* a carbonic acid salt or ester that contains the anion CO₃
58. The _____ hurricane season runs from June to November each year.
- adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
59. Cities around the world set records for highest _____ this summer.
- n.* the degree of hotness or coldness of a thing or place
60. The _____ jets gradually dominate the world's airlines.
- adj.* enormous; much bigger or more important than similar items usually are
61. The rolling _____ was a large, open area of high ground covered with heather.
- n.* a large area of open country, typically on high ground, covered with rough grass or heath, especially in Britain
62. The squirrels tried to _____ up the tree to avoid the dog.
- v.* to move hurriedly and with little or no grace, often with sudden changes in direction
63. The city has a rich _____ history, with many historic buildings and landmarks.
- adj.* of or relating to a colony (= a territory that is controlled by a more powerful country); to the period of time during which a country or region was a colony
64. This weather pattern is unique to the southern _____.
- n.* half of the terrestrial globe; half of a sphere

ANSWERS: 57. carbonate, 58. Atlantic, 59. temperatures, 60. giant, 61. moor, 62. scurry, 63. colonial, 64. hemisphere

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

adj. relating to or connected with chemistry;

66. The stock market has been _____ lately, with prices fluctuating rapidly.

adj. marked by a lot of sudden changes, confusion, or uncertainty; characterized by intense activity or agitation

67. Scientists studied the ancient _____ to learn more about the creature's anatomy.

n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

68. The blood's red coloring comes from iron _____.

n. a chemical compound that contains at least one oxygen atom and one other element

69. I used a special _____ to make my car's paint shine.

n. a substance used to smooth or shine a surface; the act of smoothing or shining a surface

70. The _____ of the organization outlines its mission and goals.

n. a document that grants certain rights or privileges; a contract to hire or lease transportation

71. The company holds patents on core components of _____ jet printers.

n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

72. Many people worry that the current real estate market is a _____ that could burst soon.

n. a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 65. chemical, 66. turbulent, 67. skeleton, 68. oxide, 69. polish, 70. charter, 71. laser, 72. bubble

73. Nuclear _____ is the process of splitting an atom into two smaller ones.
- n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces
74. 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
75. The recent economic downturn has resulted in _____ layoffs.
- adj.* enormous amount; very heavy and solid
76. The _____ of the characters in the movie was so realistic, and it was as if they were there.
- n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
77. 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
78. The mining and processing of _____ can lead to releasing radioactive materials into the environment.
- n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
79. They have been living near water since _____ times.
- adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

ANSWERS: 73. fission, 74. degree, 75. massive, 76. animation, 77. deployed, 78. uranium, 79. ancient

80. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
- n.* a notable or impressive achievement, especially one that requires great skill or bravery
81. The hikers finally reached the _____ after a long climb up the mountain.
- n.* an elevated, relatively level expanse of land, typically vast and extending over a large area; a state or period of little or no change following a period of growth, development, or progress
82. The marine biologist studied the behavior of the _____ in its natural habitat.
- n.* a marine animal belonging to the class Holothuroidea, commonly known as sea cucumbers, characterized by their elongated bodies and presence in various oceanic environments
83. Certain isotopes of _____ are used in medicine for treating liver cancer.
- n.* a radioactive chemical element with the symbol Th and atomic number 90 that is silvery-white in color and is used as fuel in some nuclear reactors
84. The _____ of wood produces charcoal, which can be used as a fuel source.
- n.* a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts
85. The construction company _____ the building with an earthquake-resistant device.
- v.* to provide a person or a place with the things that are needed for a particular purpose or activity

ANSWERS: 80. feat, 81. plateau, 82. holothurian, 83. thorium, 84. pyrolysis, 85. equipped

86. _____ a society is an organism.

adv. relating to the essential features or concepts of anything

87. The _____ fireworks display was the highlight of the festival.

adj. striking or impressive to look at or in performance or achievement

88. A healthy farm provides an _____ of food.

n. a significant amount of something; the situation in which there is too much of something

89. He spent his afternoon watching _____ movies on TV.

n. a simple drawing depicting a humorous or critical situation, often accompanied by a caption

90. Please use the _____ to clean up the mess on the floor.

n. a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

91. The biology teacher showed the students a frog _____ so they could examine its anatomy.

n. an individual example or sample of something, typically used to represent a larger group or category

92. Radiation from _____ has a different wavelength.

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

93. The family took a _____ to the Caribbean for their vacation.

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

ANSWERS: 86. Essentially, 87. spectacular, 88. abundance, 89. cartoon, 90. vacuum, 91. specimen, 92. sunlight, 93. cruise

94. He spent only a _____ of his earnings.

n. a small part or item forming a piece of a whole; the quotient of two rational numbers

95. The politician's stance on controversial issues made him an _____ candidate for many voters.

adj. not liked, supported, or approved by many people; having an unfavorable reputation

96. _____ animals are graceful and efficient swimmers.

adj. relating to, or close to, the North or South Pole; characterized by complete opposites

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

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

98. How did he _____ to your idea?

v. to take action in response to something

99. The width of a single human hair is around 100 _____.

n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

100. That statement by the prime minister drew _____ international criticism.

adj. (especially of a feeling) very strong; extremely sharp or severe

101. The entire mountain is covered in _____ rainforest.

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

ANSWERS: 94. fraction, 95. unpopular, 96. Polar, 97. predict, 98. react, 99. microns, 100. intense, 101. dense

102. The company's financial records _____ how successful it has been.
v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation
103. The room was only one _____ wider than the piano, making it a tight fit.
n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
104. The experienced _____ guided the ship through treacherous waters.
n. a sailor or seaman; someone who works or travels on a boat or ship
105. Ecuador is on the _____.
n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
106. They tried to _____ the old map with the new one to compare the changes.
v. to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it
107. The passenger grabbed for the _____ mask.
n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
108. The melting _____ are a clear indication of climate change.
n. a mass of ice that permanently covers a considerable area of land, typically found in polar regions
109. His estate was _____ to his sons.
v. to give something to a large number of individuals, or to spread or furnish something

ANSWERS: 102. illustrate, 103. centimeter, 104. mariner, 105. equator, 106. overlay, 107. oxygen, 108. icecaps, 109. distributed

110. My sister and I frequently _____ books, as we love reading.

- v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

111. He made a New Year's _____ to exercise more and eat healthier.

- n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

112. 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

113. 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.

114. Many Germans _____ to South America in the mid-19th century.

- v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

115. Purple is _____ between blue and red.

- adj.* situated between two locations, things, states, etc.; around the middle of a scale of evaluation

116. The _____ airport runways may accommodate larger jets.

- adj.* longer than usual or anticipated

ANSWERS: 110. exchange, 111. resolution, 112. trap, 113. satellite, 114. migrated, 115. intermediate, 116. extended

117. The ship encountered a series of _____ and had to change its course.
n. a large piece of ice floating in the sea, detached from a glacier
118. Parallel lines are, by _____ lines on the same plane that never cross.
n. a concise explanation of the meaning of a word, phrase, or symbol
119. Frugality and industry are still _____ as virtues.
v. to think about or consider somebody or something in a specified way
120. If necessary, you can _____ the front seats forward.
v. to move or cause to move smoothly along a surface without interruption
121. The _____ pace of the negotiations frustrated both parties.
adj. relating to or resembling a glacier (= a slowly moving mass of ice) or the process of glaciation; characterized by an extremely slow or gradual pace or movement
122. The children complained because one _____ of cake was slightly larger than the other.
n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
123. It was the _____ of a dinosaur tooth.
n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
124. The ___ level of this soil is too acidic for these types of plants.
n. a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

ANSWERS: 117. icebergs, 118. definition, 119. regarded, 120. slide, 121. glacial, 122. slice, 123. fossil, 124. ph

125. Overall _____ are approximately 400x200mm.

n. a measurable extent of a particular kind, such as width, height, or length

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

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

127. He tried every possible treatment, including chemotherapy and _____ therapy.

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

ANSWERS: 125. dimensions, 126. rolled, 127. radiation