

Englist.me



Vocabulary Builder Reference from...

Patricia Burchat: Shedding light on dark matter | TED Talk

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

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

particle

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

synonym: atom, grain, bit

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

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

physicist

n. a scientist who specializes in the field of physics

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

Einstein was an outstanding and famous **physicist** of the 20th century.

elementary

adj. relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects

synonym: fundamental, basic, primary

(1) **elementary** math, (2) **elementary** level

Elementary school students must learn basic math and reading skills.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one

another

He should **interact** more with his colleagues.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym : basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

accelerate

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

synonym : speed up, quicken, rev

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

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

electron

n. a tiny particle with the negative electrical charge

synonym : negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

quest

n. a long or challenging search for something

synonym : exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness

That adventurer traveled in **quest** of buried treasure.

ordinary

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

synonym :

mundane, prosaic, average

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

planet

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

synonym: earth, world, globe

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

galaxy

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

synonym: star cluster, nebula, star system

(1) elliptic **galaxy**, (2) a **galaxy** of famous actors
The Milky Way **galaxy** has numerous water-bearing planets.

quarter

n. one of four equal parts; a fourth part or portion

synonym: fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**
The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

approximately

adv. close to a specific number or time but not exactly that number or time

synonym: about, around, roughly

(1) **approximately** 3 feet long, (2) **approximately** same
This trail takes **approximately** 2.5 hours.

invisible

adj. impossible or nearly impossible to see

synonym: hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars
The phenomenon is **invisible** at optical wavelengths.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock
The sponge **absorbs** water well.

electromagnetic

adj. of or relating to the magnetism produced by electric charge in motion

(1) **electromagnetic** radiation, (2) **electromagnetic** properties

His hypothesis concerns the role of an **electromagnetic** field in human health.

spectrum

n. an ordered array of colors into which a light beam can be split

synonym: range, scale, spread

(1) a broad **spectrum** of opinion, (2) infrared **spectrum**

This device displayed the speech **spectrum** spectrographically.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

gravitational

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

synonym: weighty, heavy, earthbound

(1) **gravitational** energy, (2) **gravitational** waves

The **gravitational** force of the black hole was so strong that nothing, not even light, could escape.

dominate

v. to have or control a lot of power and influence over somebody or something

synonym : govern, rule, prevail

(1) **dominate** possession, (2) **dominate** over the weak

The perspective of his right brain **dominates** his consciousness.

mysterious

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

synonym : enigmatic, cryptic, puzzling

(1) **mysterious** object, (2) **mysterious** stranger

The **mysterious** disappearance of the ship remains unsolved.

substance

n. the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

synonym : essence, core, material

(1) an explosive **substance**, (2) **substance** abuse problem

The **substance** of the argument was well-presented.

spiral

n. a curve that coils around a central point and gets progressively farther away from it as it goes around

synonym : coil, helix, twist

(1) **spiral** staircase, (2) **spiral** design

The leaves of the fern were arranged in a **spiral** pattern.

mass

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

synonym : abundance, crowd, mob

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

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

concentration

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

synonym: attention, engagement, assiduity

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

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

circular

adj. shaped like a circle; having a round form

synonym: round, loopy, oblique

(1) **circular** economy, (2) non- **circular** orbit

The **circular** shape of the planet makes it difficult to determine which direction is north.

orbit

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

synonym: path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit**

The rocket engine is used to put the satellite into **orbit**.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

intuitive

adj. obtained through feelings rather than facts or proof

synonym: involuntary, instinctive, innate

(1) **intuitive** eating, (2) **intuitive** judgment

I had an **intuitive** feeling that I might be pregnant.

rot

v. to decay, or cause something to decay, naturally and gradually

synonym: perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

measured

adj. done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate

and thoughtful

synonym : calculated, deliberate, thought-out

(1) **measured** analysis, (2) **measured** tone of voice

Her **measured** response to the criticism showed her ability to remain calm and composed under pressure.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym : space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

graph

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

synonym : chart, diagram, figure

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

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

measurement

n. the act or process of finding something's size, quantity, or degree

synonym : calculation, dimensions, size

(1) chest **measurement**, (2) a precise **measurement**

The **measurement** error of this industrial machine is less than one micrometer.

constant

adj. happening repeatedly or all the time

synonym: ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

embedded

adj. fixed firmly into the surface of something

synonym: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

spherical

adj. having the shape of a sphere; round, spherical, or ball-shaped in appearance

synonym: round, orbicular, globular

(1) **spherical** shape, (2) **spherical** object

The Earth is a nearly **spherical** planet.

extend

v. to broaden in scope, range, or area

synonym: prolong, lengthen, advance

(1) **extend** the warranty, (2) **extend** a line

Her visit will **extend** from Monday to Friday.

fixate

v. to focus one's attention or become overly obsessed with someone or something; to become mentally obsessed or preoccupied with a particular idea, thought, or image

synonym: obsess, fix, concentrate

(1) **fixate** on a problem, (2) **fixate** on a picture

She tends to **fixate** on small details, often losing sight of the bigger picture.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

dynamics

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

synonym: mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

strew

v. to scatter or spread things over an area; to scatter something in an untidy way

synonym: scatter, sprinkle, disperse

(1) **strew** the room with balloons, (2) **strew** garbage

The wind **strew** the leaves all over the lawn.

random

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

synonym: incidental, arbitrary, unanticipated

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

To find drunk drivers, police conduct **random** tests.

cluster

n. a group of similar things or people close together, often forming a distinct mass or unit

synonym: group, aggregation, array

(1) live in a **cluster**, (2) a **cluster** of stars

A **cluster** of grapes hung from the vine.

coma

n. a state of prolonged unconsciousness, typically caused by severe injury or illness, during which a person is unresponsive and lacks awareness of their surroundings

synonym: unconsciousness, stupor, sleep

(1) medical **coma**, (2) medically-induced **coma**

Unfortunately, the accident left him in a deep **coma**.

fuzzy

adj. having a soft and indistinct outline or covered with fine, soft, and hairlike fibers

synonym : hazy, blurry, indistinct

(1) **fuzzy** logic, (2) **fuzzy** memory

The picture was **fuzzy** because it was taken with an old camera.

elliptical

adj. having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself

synonym : oval, egg-shaped, oblong

(1) an **elliptical** motion, (2) an **elliptical** galaxies

The satellite's **elliptical** orbit made it appear to change its distance from earth.

snapshot

n. an informal photograph, especially one taken quickly

synonym : photo, picture, print

(1) take a **snapshot**, (2) developed **snapshot**

There were framed **snapshots** of family and friends in her room.

identical

adj. being the exact same one

synonym : duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation

Infant formulas are nutritionally almost **identical** to a mother's breast milk.

moving

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

synonym : emotional, poignant, touching

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

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

extreme

adj. very great in amount or degree

synonym : farthestmost, outermost, fierce

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

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

velocity

n. the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

synonym : speed, rapidity, swiftness

(1) initial **velocity**, (2) high **velocity**

The **velocity** of the car was too fast for the road conditions.

blob

n. a small amount or drop of a thick liquid or sticky substance

synonym : chunk, lump, hunk

(1) a big **blob** of yellow, (2) a **blob** of jelly

A **blob** of ink fell on the floor.

visual

adj. relating to seeing or sight

synonym : optical, graphical, visible

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

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

observer

n. a person who watches or notices someone or something but has no active part in it

synonym : spectator, onlooker, watcher

(1) a shrewd **observer**, (2) an **observer** in the region

According to the theory of relativity, time is different for each **observer**.

telescope

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**

This facility has the largest astronomical **telescope** in the country.

suppose

v. to think that something is likely to be actual or possible
synonym: guess, assume, presume

(1) **suppose** you're right, (2) **suppose** beforehand
What do you **suppose** the culprit's motive was?

ray

n. a narrow line of light, heat, or another form of energy
synonym: beam, light, glimmer

(1) opaque to X- **rays**, (2) effect of cosmic **rays**
Gamma **rays** penetrate body tissues and cause cell damage.

deduce

v. to arrive at an answer, a conclusion, or a decision by reasoning

synonym: conclude, infer, suppose

(1) **deduce** facts from the evidence, (2) **deduce** the meaning of a word

The researcher **deduced** the momentum of the particles from meteoritic velocities.

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.

develop

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

synonym: evolve, progress, advance

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

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

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

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

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

deflect

v. to cause something, especially a criticism or attack, to be directed away from someone

synonym: deter, redirect, sidetrack

(1) **deflect** a blow, (2) **deflect** his criticism

The soccer player was able to **deflect** the ball away from the goal.

trajectory

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

synonym: course, curve, orbit

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

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

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

extrapolate

v. to guess or think about what might happen or estimate something using the facts that you have now

synonym: deduce, reason, infer

(1) **extrapolate** the results, (2) **extrapolate** animal dose

This predictive model mechanically **extrapolates** past trends into the future.

backward

adv. at, to, or toward the direction or place that is behind or rear

synonym: back, rearward, in reverse

(1) walk **backward**, (2) **backward** angle

She falls over **backward** when she sees her mother-in-law.

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.

cone

n. a geometric shape that tapers to a point at one end and has a circular base at the other end

(1) traffic **cone**, (2) ice cream **cone**

Cone-shaped cells in the eye's retina are responsible for color vision and visual acuity.

eyeball

n. the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

(1) **eyeball** motion, (2) redness of the **eyeball**

Increased **eyeball** pressure leads to the development of glaucoma.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

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

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

skew

v. to turn or place at an angle; to make biased or distorted with the result that it is not accurate, fair, normal, etc.

synonym: slant, tilt, distort

(1) **skew** the message, (2) **skew** social values

The results of the poll are **skewed** because it only surveyed a small group of people.

experiment

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

synonym: experimentation, investigation

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

His **experiments** showed highly positive results.

reception

n. the act of receiving or the state of being received, especially warmly or kindly; a formal party of people
synonym: welcome, greeting, party

(1) a cold **reception**, (2) **reception** desk

The wedding **reception** was held in the grand ballroom of the hotel.

lens

n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

synonym: glass

(1) a convex **lens**, (2) a **lens** with a wide angle

The photographer took this photo using a telephoto **lens**.

devise

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

synonym: create, concoct, invent

(1) **devise** a plan, (2) **devise** a literary plot

They had to **devise** a system that did not depend on fossil fuels.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

ignore

v. to intentionally not listen or pay attention to

synonym: neglect, disregard, shun

(1) **ignore** her advice, (2) **ignore** a ban

Since independence, the area has been completely **ignored**.

shave

v. to remove body hair with a razor; to cut the price of something

synonym: trim, cut down, prune

(1) **shave** my head, (2) **shave** cheese

That supermarket tried to **shave** certain costs by saving electricity.

grab

v. to take hold of something or someone suddenly with a hand, especially in a violent way

synonym: clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity

Shall we **grab** a bite to eat?

napkin

n. a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions

synonym: serviette, handkerchief, cloth

(1) paper **napkin**, (2) linen **napkin**

I always keep a stack of **napkins** on my desk while I eat to prevent any messes.

split

v. to divide, or to make something divide into two or more parts, especially along a particular line

synonym: break, divide, break apart

(1) **split** a bill, (2) **split** a reward equally

Companies often **split** their shares to lower the stock price and encourage investors to buy.

arc

n. the shape of a portion of a circle or other curved line

synonym: turn, bow, angle

(1) the **arc** current, (2) an **arc** of a circumference

A ball flew in a big **arc**.

distort

v. to change something's shape, appearance, or sound so that it appears weird or unclear

synonym: fudge, deform, contort

(1) **distort** the facts, (2) **distort** the economy

Economists contend that taxes **distort** consumer behavior in general.

accurate

adj. correct and exact in all details

synonym : exact, precise, proper

(1) provide **accurate** information, (2) **accurate** measurements

The official transcript contains **accurate** academic records.

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.

illusion

n. a false idea or belief, especially about somebody or about a situation

synonym : delusion, fallacy, magic trick

(1) optical **illusion**, (2) the **illusion** of being in the forest

He could no longer tell the difference between **illusion** and reality.

mirage

n. an optical phenomenon caused by the refraction of light in the Earth's atmosphere, creating a false or distorted image of distant objects or landscapes, often appears as a shimmering or floating appearance, typically seen in deserts or over hot surfaces

synonym : illusion, hallucination, phantasm

(1) **mirage** illusion, (2) **mirage** oasis

The shimmering heat created a **mirage** in the distance, fooling our eyes into seeing an oasis.

practically

adv. almost or nearly

synonym : almost, nearly, virtually

(1) **practically** constant, (2) **practically** impossible to find a

parking spot

The store is **practically** empty.

background

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

synonym : ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

streak

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

synonym : strip, band, dash

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

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

distortion

n. the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted

synonym : twist, deformity, misrepresentation

(1) **distortion** of the earth's surface, (2) horizontal **distortion**

Her report was criticized as a gross **distortion** of the truth.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym : compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

enormous

adj. extremely large or great

synonym : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential
Shakespeare's output of poetry was **enormous**.

individual

n. a single person or thing, as distinct from a group
synonym: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

attract

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones
synonym: lure, entice, draw in

(1) **attract** attention, (2) **attract** customers

The government is eager to **attract** international investment.

discuss

v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

synonym: talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

hawk

n. a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations

synonym: militarist, jingo, aggressor

(1) cast off a **hawk**, (2) congressional **hawk**

That team signed a center forward who was a ball- **hawk**.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

session

n. a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity

synonym : conference, gathering

(1) the morning **session**, (2) the court **session**

Parliament is now in **session**.

expand

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

synonym : extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

sect

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

synonym : group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

infinite

adj. unlimited or very great; impossible to measure

synonym : boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

tap

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

synonym : knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

correspond

v. to match or be similar to something else almost exactly; to exchange messages

synonym : match, equate, communicate

(1) **correspond** to a standard, (2) **correspond** with a

foreign student

The numbers on the sign **correspond** to points on the map.

horizontal

adj. parallel to the ground or in a baseline; being at the same level as all members of a group

synonym : even, lying, parallel

(1) **horizontal** lines, (2) **horizontal** stripes

Airplanes need **horizontal** tails to improve stability.

vertical

adj. upright or perpendicular to a horizontal surface or line

synonym : perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

passee

adj. no longer fashionable or current; outdated; considered to be old-fashioned or out of date

synonym : outdated, old-fashioned, antique

(1) **passee** entertainment, (2) **passee** trend

Bell-bottom jeans, once considered **passee** fashion, have made a surprising comeback in recent years.

necessarily

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

synonym : inevitable, certainly, automatically

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

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

expansion

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

synonym : growth, enlargement, development

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

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

mention

v. to speak or write about something or someone briefly
synonym: reference, allude, cite

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

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

bang

v. to hit or cause to hit something in a way that makes a loud noise

synonym: crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down

My father tried to **bang** mathematics into my head since childhood.

debate

n. a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives

synonym: argument, discussion, dispute

(1) **debate** topic, (2) **debate** competition

The **debate** over climate change continues to be a hot topic in politics.

asymptotic

adj. having a line or curve that approaches another without ever meeting or intersecting used to describe mathematical functions or relationships that approach a limit without ever reaching it

synonym: approaching, near, parallel

(1) **asymptotic** growth, (2) **asymptotic** analysis

The curve of the graph approaches but never quite reaches an **asymptotic** line.

reverse

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

synonym: overturn, shift, switch

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

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

contract

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym: agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

startling

adj. extremely surprising, astonishing, and sometimes worrying

synonym: alarming, astonishing, shocking

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

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

persuasive

adj. tending to make you want to do or believe a particular thing; convincing

synonym: convincing, compelling, influential

(1) **persuasive** advertising, (2) **persuasive** speaker

He made a **persuasive** argument for the new policy.

theoretical

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

synonym: conceptual, conjectural, ideal

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

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

argument

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

synonym : debate, discourse, discussion

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

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

opposition

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

synonym : resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

motivation

n. the reason or enthusiasm for acting or behaving in a particular way

synonym : inspiration, incentive, reason

(1) understand his **motivation**, (2) **motivation** for a change

A significant amount of **motivation** is required to be a teacher.

unexplained

adj. not able to be explained or understood, lacking explanation or justification for something unknown or mysterious

synonym : mysterious, inexplicable, enigmatic

(1) **unexplained** phenomenon, (2) **unexplained** disappearance

There was an **unexplained** noise coming from the attic that frightened us all.

emphasize

v. to give or show particular importance to something
synonym: highlight, accentuate, stress

(1) **emphasize** her words, (2) **emphasize** a direct relationship

Use italics or capitals to **emphasize** a word in a piece of writing.

mystery

n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym: enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

encourage

v. to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

synonym: facilitate, persuade, stimulate

(1) **encourage** a sense of affinity, (2) **encourage** antisocial behavior

They **encouraged** customers with a premium for loyal patronage.

attraction

n. a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

synonym: allure, appeal, interest

(1) the big **attraction** of the event, (2) popular tourist **attraction**

She felt an instant **attraction** toward him.

imp

n. a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore

synonym: demon, sprite, mischievous child

(1) a little **imp**, (2) behave like an **imp**
The mischievous **imp** caused trouble wherever it went.

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?

compete

v. to strive to achieve more success than someone or something
synonym: contend, contest, vie

(1) **compete** against a friend, (2) **compete** fiercely
You must **compete** with others to obtain this position.

motivate

v. to make someone want to do something, especially something that requires tremendous work and effort
synonym: boost, encourage, inspire

(1) **motivate** the students, (2) all ability to **motivate**
The ability to **motivate** people is a priceless asset.

candidate

n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
synonym: applicant, nominee, contender

(1) **candidate** selection, (2) PhD **candidate**
The **candidate's** platform focused on healthcare reform and reducing income inequality.

motto

n. a phrase or slogan that expresses a guiding principle or goal
synonym: slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**
The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

consistent

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

coherent, constant, compatible

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

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym : initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

phenomenon

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

synonym : marvel, wonder, splendor

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

A rainbow is a natural **phenomenon**.

existence

n. the state or fact of someone or something existing

synonym : fact, being, reality

(1) the biggest tree in **existence**, (2) the struggle for **existence**

He was an atheist and therefore did not believe in the **existence** of heaven or hell.

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym : forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

sensitive

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

synonym : exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin
The teacher is very **sensitive** to children's feelings.

bump

v. to hit or knock against something hard, often with a dull sound; to meet with by accident

synonym : collide, hit, jolt

(1) **bump** against a wall, (2) **bump** up prices

She accidentally **bumped** into him in the crowded room.

crystal

n. a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica

synonym : quartz

(1) liquid **crystal**, (2) **crystal** analyses

A vast **crystal** chandelier glittered brightly above us.

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**.

collaborate

v. to work with someone else to produce or achieve something

synonym : cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

announce

v. to make something known or officially inform people about something

synonym : disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners
The third season of the anime show has been **announced**.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym: resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

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.

launch

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

synonym: start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack

The company is set to **launch** its new product line next month.

annihilate

v. to destroy completely; to cause something to cease to exist

synonym: destroy, obliterate, eradicate

(1) **annihilate** the enemy, (2) **annihilate** all doubts

The virus had the potential to **annihilate** entire populations if left unchecked.

gamma

n. the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves

synonym : ray, radiation, emission

(1) **gamma** radiation, (2) **gamma** particles

Gamma rays are a type of high-energy radiation that can be harmful to living organisms.

collide

v. to hit something violently when moving

synonym : clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

signature

n. a person's name, often handwritten, written in a distinctive way as a form of identification or authorization; a distinctive feature or characteristic that is a hallmark or identifying mark of something or someone

synonym : autograph, mark, handwriting

(1) **signature** dish, (2) artist's **signature**

The lawyer confirmed that the **signature** on the contract was genuine.

unfortunately

adv. by bad luck; unluckily

synonym : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

endeavor

v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective

synonym : attempt, strive, undertake

(1) **endeavor** to succeed, (2) **endeavor** as much as possible

We will **endeavor** to find a solution to the problem as quickly as possible.

specifically

adv. only associated with or meant for one thing

synonym: especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

competition

n. a situation in which someone is attempting to beat or outperform another

synonym: contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

synonym: examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent inconsistencies.

Session 2: Spelling

- | | |
|-----------------------------|---|
| 1. s__w social values | <i>v.</i> to turn or place at an angle; to make biased or distorted with the result that it is not accurate, fair, normal, etc. |
| 2. con_____ion of armaments | <i>n.</i> the ability to focus all your time and energy on one thing without thinking about anything else. |
| 3. app_____ely same | <i>adv.</i> close to a specific number or time but not exactly that number or time |
| 4. cr_____l analyses | <i>n.</i> a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica |
| 5. laws of ph_____s | <i>n.</i> the science of matter and energy and their interactions |
| 6. nuclear ph_____s | <i>n.</i> the science of matter and energy and their interactions |
| 7. in_____te appetite | <i>adj.</i> unlimited or very great; impossible to measure |
| 8. a cold re_____on | <i>n.</i> the act of receiving or the state of being received, especially warmly or kindly; a formal party of people |
| 9. musical ins_____nts | <i>n.</i> an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work |

ANSWERS: 1. skew, 2. concentration, 3. approximately, 4. crystal, 5. physics, 6. physics, 7. infinite, 8. reception, 9. instrument

10. dy_____cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
11. not nec_____ly a problem *adv.* in an essential manner; in such a way as could not be otherwise
12. liquid cr_____l *n.* a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica
13. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
14. a blazing ar_____nt *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
15. st__w garbage *v.* to scatter or spread things over an area; to scatter something in an untidy way
16. infrared sp_____um *n.* an ordered array of colors into which a light beam can be split
17. take a sn_____ot *n.* an informal photograph, especially one taken quickly
18. en_____or to succeed *v.* to make an earnest attempt or effort; to strive or work hard towards a goal or objective

ANSWERS: 10. dynamics, 11. necessarily, 12. crystal, 13. colleague, 14. argument, 15. strew, 16. spectrum, 17. snapshot, 18. endeavor

19. provide ac____te information *adj.* correct and exact in all details
20. per____ve advertising *adj.* tending to make you want to do or believe a particular thing; convincing
21. s__t beliefs *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
22. the qu__t for truth *n.* a long or challenging search for something
23. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
24. new di____on *n.* a measurable extent of a particular kind, such as width, height, or length
25. ba____rd angle *adv.* at, to, or toward the direction or place that is behind or rear
26. ex____d a lineup *v.* to increase or to make something greater in size, number, or importance
27. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
28. walk ba____rd *adv.* at, to, or toward the direction or place that is behind or rear

ANSWERS: 19. accurate, 20. persuasive, 21. sect, 22. quest, 23. emit, 24. dimension, 25. backward, 26. expand, 27. function, 28. backward

29. de___e facts from the evidence *v.* to arrive at an answer, a conclusion, or a decision by reasoning
30. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
31. su_____e you're right *v.* to think that something is likely to be actual or possible
32. gold st___k *n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual
33. an id_____al equation *adj.* being the exact same one
34. do_____te over the weak *v.* to have or control a lot of power and influence over somebody or something
35. de___e competition *n.* a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives
36. app_____ely 3 feet long *adv.* close to a specific number or time but not exactly that number or time
37. en_____us potential *adj.* extremely large or great
38. en_____us amount *adj.* extremely large or great

ANSWERS: 29. deduce, 30. universe, 31. suppose, 32. streak, 33. identical, 34. dominate, 35. debate, 36. approximately, 37. enormous, 38. enormous

39. talented ph_____st *n.* a scientist who specializes in the field of physics
40. optical il_____on *n.* a false idea or belief, especially about somebody or about a situation
41. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
42. ele_____ry math *adj.* relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects
43. population de_____y *n.* the quality of compactness of a substance
44. pa__e entertainment *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
45. live in a cl_____r *n.* a group of similar things or people close together, often forming a distinct mass or unit
46. sp____l staircase *n.* a curve that coils around a central point and gets progressively farther away from it as it goes around
47. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
48. 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.

ANSWERS: 39. physicist, 40. illusion, 41. accelerate, 42. elementary, 43. density, 44. passe, 45. cluster, 46. spiral, 47. slightly, 48. satellite

49. b__p against a wall *v.* to hit or knock against something hard, often with a dull sound; to meet with by accident
50. pr____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
51. inv____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
52. st_____ng earthquake shocks *adj.* extremely surprising, astonishing, and sometimes worrying
53. ex_____e sports *adj.* very great in amount or degree
54. solar ast_____er *n.* a physicist who studies astronomy
55. la___h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
56. ind_____al freedom *n.* a single person or thing, as distinct from a group
57. at_____t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
58. fi___e on a picture *v.* to focus one's attention or become overly obsessed with someone or something; to become mentally obsessed or preoccupied with a particular idea, thought, or image

ANSWERS: 49. bump, 50. predict, 51. investigate, 52. startling, 53. extreme, 54. astronomer, 55. launch, 56. individual, 57. attract, 58. fixate

59. beam of el____ons *n.* a tiny particle with the negative electrical charge
60. fi___e on a problem *v.* to focus one's attention or become overly obsessed with someone or something; to become mentally obsessed or preoccupied with a particular idea, thought, or image
61. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
62. a little i_p *n.* a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore
63. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
64. a planetary or__t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
65. ex___d the warranty *v.* to broaden in scope, range, or area
66. paper na___n *n.* a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions

ANSWERS: 59. electron, 60. fixate, 61. structure, 62. imp, 63. mass, 64. orbit, 65. extend, 66. napkin

67. em____ed systems *adj.* fixed firmly into the surface of something
68. nec_____ly true *adv.* in an essential manner; in such a way as could not be otherwise
69. theoretical ph_____st *n.* a scientist who specializes in the field of physics
70. ele_____tic properties *adj.* of or relating to the magnetism produced by electric charge in motion
71. understand his mot_____on *n.* the reason or enthusiasm for acting or behaving in a particular way
72. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
73. redness of the ey_____l *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
74. cast off a h__k *n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations
75. ele_____tic radiation *adj.* of or relating to the magnetism produced by electric charge in motion
76. b__p up prices *v.* to hit or knock against something hard, often with a dull sound; to meet with by accident
77. gloomy pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future

ANSWERS: 67. embedded, 68. necessarily, 69. physicist, 70. electromagnetic, 71. motivation, 72. tap, 73. eyeball, 74. hawk, 75. electromagnetic, 76. bump, 77. prediction

78. col_____te with the police *v.* to work with someone else to produce or achieve something
79. dy_____cs of group *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
80. ig___e her advice *v.* to intentionally not listen or pay attention to
81. increase sl_____ly *adv.* in a small degree or extent; a little
82. save the pl____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
83. traffic c___e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
84. an explosive su_____ce *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
85. a tra_____ry missile *n.* the curved path followed by an object moving through space
86. em_____ze a direct relationship *v.* to give or show particular importance to something
87. de___e a plan *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination

ANSWERS: 78. collaborate, 79. dynamics, 80. ignore, 81. slightly, 82. planet, 83. cone, 84. substance, 85. trajectory, 86. emphasize, 87. devise

88. sp___l design *n.* a curve that coils around a central point and gets progressively farther away from it as it goes around
89. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
90. de___e topic *n.* a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives
91. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
92. the struggle for ex_____ce *n.* the state or fact of someone or something existing
93. horizontal dis_____on *n.* the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted
94. a precise mea_____nt *n.* the act or process of finding something's size, quantity, or degree
95. une_____ed disappearance *adj.* not able to be explained or understood, lacking explanation or justification for something unknown or mysterious
96. int_____ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

ANSWERS: 88. spiral, 89. concentration, 90. debate, 91. distance, 92. existence, 93. distortion, 94. measurement, 95. unexplained, 96. introduction

97. pair of id_____al twins *adj.* being the exact same one
98. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
99. de_____t a blow *v.* to cause something, especially a criticism or attack, to be directed away from someone
100. me_____ed tone of voice *adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful
101. in_____te in supply *adj.* unlimited or very great; impossible to measure
102. ga__a radiation *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
103. ab___b a shock *v.* to take in a fluid or other substance gradually
104. pa__e trend *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
105. a convex l__s *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

ANSWERS: 97. identical, 98. background, 99. deflect, 100. measured, 101. infinite, 102. gamma, 103. absorb, 104. passe, 105. lens

106. sp_____al shape	<i>adj.</i> having the shape of a sphere; round, spherical, or ball-shaped in appearance
107. exp_____nt design	<i>n.</i> the scientific test conducted to observe what happens and gain new knowledge
108. unf_____ely caught in a shower	<i>adv.</i> by bad luck; unluckily
109. the a_c current	<i>n.</i> the shape of a portion of a circle or other curved line
110. co_____e head-on	<i>v.</i> to hit something violently when moving
111. di_____s options	<i>v.</i> to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
112. asy_____ic analysis	<i>adj.</i> having a line or curve that approaches another without ever meeting or intersecting used to describe mathematical functions or relationships that approach a limit without ever reaching it
113. g__b an opportunity	<i>v.</i> to take hold of something or someone suddenly with a hand, especially in a violent way
114. in_____le stars	<i>adj.</i> impossible or nearly impossible to see
115. de_____t his criticism	<i>v.</i> to cause something, especially a criticism or attack, to be directed away from someone
116. en_____or as much as possible	<i>v.</i> to make an earnest attempt or effort; to strive or work hard towards a goal or objective

ANSWERS: 106. spherical, 107. experiment, 108. unfortunately, 109. arc, 110. collide, 111. discuss, 112. asymptotic, 113. grab, 114. invisible, 115. deflect, 116. endeavor

117. me_____ed analysis *adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful
118. even more unf_____ely *adv.* by bad luck; unluckily
119. ice cream c__e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
120. an ob_____er in the region *n.* a person who watches or notices someone or something but has no active part in it
121. amateur ast_____er *n.* a physicist who studies astronomy
122. col_____te on a press release *v.* to work with someone else to produce or achieve something
123. an ell_____al motion *adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
124. in_____ct directly with customers *v.* to communicate or react with somebody
125. a b__b of jelly *n.* a small amount or drop of a thick liquid or sticky substance
126. mi___e illusion *n.* an optical phenomenon caused by the refraction of light in the Earth's atmosphere, creating a false or distorted image of distant objects or landscapes, often appears as a shimmering or floating appearance, typically seen in deserts or over hot surfaces

ANSWERS: 117. measured, 118. unfortunately, 119. cone, 120. observer, 121. astronomer, 122. collaborate, 123. elliptical, 124. interact, 125. blob, 126. mirage

127. for spe_____ly American customers
adv. only associated with or meant for one thing
128. ci_____ar economy
adj. shaped like a circle; having a round form
129. di_____t the facts
v. to change something's shape, appearance, or sound so that it appears weird or unclear
130. linen na_____n
n. a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions
131. the morning se_____n
n. a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity
132. a ga_____y of famous actors
n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
133. pra_____ly constant
adv. almost or nearly
134. the crosswise di_____on
n. a measurable extent of a particular kind, such as width, height, or length
135. medical c__a
n. a state of prolonged unconsciousness, typically caused by severe injury or illness, during which a person is unresponsive and lacks awareness of their surroundings
136. company mo__o
n. a phrase or slogan that expresses a guiding principle or goal

ANSWERS: 127. specifically, 128. circular, 129. distort, 130. napkin, 131. session, 132. galaxy, 133. practically, 134. dimension, 135. coma, 136. motto

137. secret s__t *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
138. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
139. g__b an audience *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
140. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
141. mo_____te the students *v.* to make someone want to do something, especially something that requires tremendous work and effort
142. ac_____te measurements *adj.* correct and exact in all details
143. re__r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
144. behave like an i_p *n.* a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore
145. natural phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
146. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

ANSWERS: 137. sect, 138. calculate, 139. grab, 140. predict, 141. motivate, 142. accurate, 143. refer, 144. imp, 145. phenomenon, 146. telescope

147. the_____al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
148. per_____ve speaker *adj.* tending to make you want to do or believe a particular thing; convincing
149. mi___e oasis *n.* an optical phenomenon caused by the refraction of light in the Earth's atmosphere, creating a false or distorted image of distant objects or landscapes, often appears as a shimmering or floating appearance, typically seen in deserts or over hot surfaces
150. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
151. gra_____nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
152. initial ve_____ty *n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
153. baby with se_____ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
154. la___h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 147. theoretical, 148. persuasive, 149. mirage, 150. background, 151. gravitational, 152. velocity, 153. sensitive, 154. launch

155. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
156. de___e a literary plot *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination
157. employment co_____ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
158. ab___b energy *v.* to take in a fluid or other substance gradually
159. an ell_____al galaxies *adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
160. a l__s with a wide angle *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
161. co_____ct law *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

ANSWERS: 155. universe, 156. devise, 157. contract, 158. absorb, 159. elliptical, 160. lens, 161. contract

162. mys_____us stranger *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
163. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
164. a big b__b of yellow *n.* a small amount or drop of a thick liquid or sticky substance
165. pra_____ly impossible to find a parking spot *adv.* almost or nearly
166. asy_____ic growth *adj.* having a line or curve that approaches another without ever meeting or intersecting used to describe mathematical functions or relationships that approach a limit without ever reaching it
167. mot_____on for a change *n.* the reason or enthusiasm for acting or behaving in a particular way
168. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
169. popular tourist att_____on *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
170. sp__t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line
171. ca_____te selection *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant

ANSWERS: 162. mysterious, 163. interaction, 164. blob, 165. practically, 166. asymptotic, 167. motivation, 168. strength, 169. attraction, 170. split, 171. candidate

172. a shrewd ob____er *n.* a person who watches or notices someone or something but has no active part in it
173. an____ce candidacy *v.* to make something known or officially inform people about something
174. a good grounding in mat____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
175. ex____d a line *v.* to broaden in scope, range, or area
176. a m____s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
177. st____w the room with balloons *v.* to scatter or spread things over an area; to scatter something in an untidy way
178. effect of cosmic r____ys *n.* a narrow line of light, heat, or another form of energy
179. a gr____h sample *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
180. en____ge a sense of affinity *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
181. re____ve factors *adj.* considered and evaluated through comparison with something else
182. meet with opp____on *n.* the act of disagreeing or resisting; the state of strong disagreement

ANSWERS: 172. observer, 173. announce, 174. mathematics, 175. extend, 176. mass, 177. strew, 178. ray, 179. graph, 180. encourage, 181. relative, 182. opposition

183. ext_____te the results *v.* to guess or think about what might happen or estimate something using the facts that you have now
184. the biggest tree in ex_____ce *n.* the state or fact of someone or something existing
185. hor_____al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
186. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics
187. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
188. congressional h__k *n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations
189. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
190. a qu_____r mile *n.* one of four equal parts; a fourth part or portion
191. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
192. st___k of luck *n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual

ANSWERS: 183. extrapolate, 184. existence, 185. horizontal, 186. calculate, 187. bang, 188. hawk, 189. rot, 190. quarter, 191. fundamental, 192. streak

193. mys_____us object *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
194. a co_____nt temperature *adj.* happening repeatedly or all the time
195. ex_____on project *n.* the process of becoming larger or more extensive, or the result of this process
196. re__r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
197. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
198. make my pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
199. co_____e against a friend *v.* to strive to achieve more success than someone or something
200. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
201. all ability to mo_____te *v.* to make someone want to do something, especially something that requires tremendous work and effort
202. designed spe_____lly for men *adv.* only associated with or meant for one thing
203. end of the first qu_____r *n.* one of four equal parts; a fourth part or portion
204. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.

ANSWERS: 193. mysterious, 194. constant, 195. expansion, 196. refer, 197. opposition, 198. prediction, 199. compete, 200. particle, 201. motivate, 202. specifically, 203. quarter, 204. emit

205. 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
206. the mo__o for safe traffic *n.* a phrase or slogan that expresses a guiding principle or goal
207. de___e the meaning of a word *v.* to arrive at an answer, a conclusion, or a decision by reasoning
208. surgical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
209. an a_c of a circumference *n.* the shape of a portion of a circle or other curved line
210. the first round of the com_____on *n.* a situation in which someone is attempting to beat or outperform another
211. su_____e beforehand *v.* to think that something is likely to be actual or possible
212. a co_____nt wind *adj.* happening repeatedly or all the time
213. high ve_____ty *n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
214. mo___g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
215. ext_____te animal dose *v.* to guess or think about what might happen or estimate something using the facts that you have now

ANSWERS: 205. optical, 206. motto, 207. deduce, 208. instrument, 209. arc, 210. competition, 211. suppose, 212. constant, 213. velocity, 214. moving, 215. extrapolate

216. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
217. on a qu__t for happiness *n.* a long or challenging search for something
218. an_____ce the award winners *v.* to make something known or officially inform people about something
219. 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
220. the ar_____nt against capital punishment *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
221. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
222. une_____ed phenomenon *adj.* not able to be explained or understood, lacking explanation or justification for something unknown or mysterious
223. get con_____nt results *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
224. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
225. historical phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood

ANSWERS: 216. accelerate, 217. quest, 218. announce, 219. optical, 220. argument, 221. experiment, 222. unexplained, 223. consistent, 224. fundamental, 225. phenomenon

226. cor_____nd with a foreign student *v.* to match or be similar to something else almost exactly; to exchange messages
227. 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.
228. en_____ge antisocial behavior *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
229. intraspecific com_____on *n.* a situation in which someone is attempting to beat or outperform another
230. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
231. the big att_____on of the event *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
232. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
233. gra_____nal waves *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
234. a private ind_____al *n.* a single person or thing, as distinct from a group

ANSWERS: 226. correspond, 227. satellite, 228. encourage, 229. competition, 230. reverse, 231. attraction, 232. mathematics, 233. gravitational, 234. individual

235. higher pixel de_____y *n.* the quality of compactness of a substance
236. ga__a particles *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
237. sh__e cheese *v.* to remove body hair with a razor; to cut the price of something
238. co_____e in midair *v.* to hit something violently when moving
239. co_____e fiercely *v.* to strive to achieve more success than someone or something
240. sp__t a bill *v.* to divide, or to make something divide into two or more parts, especially along a particular line
241. in_____ve eating *adj.* obtained through feelings rather than facts or proof
242. me_____n in a report *v.* to speak or write about something or someone briefly
243. re_____on desk *n.* the act of receiving or the state of being received, especially warmly or kindly; a formal party of people
244. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
245. an in_____le asset *adj.* impossible or nearly impossible to see
246. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
247. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

ANSWERS: 235. density, 236. gamma, 237. shave, 238. collide, 239. compete, 240. split, 241. intuitive, 242. mention, 243. reception, 244. strength, 245. invisible, 246. rot, 247. telescope

248. social di____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
249. unsolved my____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
250. a st____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
251. bombs fell at ra____m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
252. flow of el____ons *n.* a tiny particle with the negative electrical charge
253. industrial ex____on *n.* the process of becoming larger or more extensive, or the result of this process
254. a ra____m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
255. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
256. st____ng discovery *adj.* extremely surprising, astonishing, and sometimes worrying

ANSWERS: 248. distance, 249. mystery, 250. straight, 251. random, 252. electron, 253. expansion, 254. random, 255. straight, 256. startling

257. sp_____al object *adj.* having the shape of a sphere; round, spherical, or ball-shaped in appearance
258. the il_____on of being in the forest *n.* a false idea or belief, especially about somebody or about a situation
259. opaque to X-r_ys *n.* a narrow line of light, heat, or another form of energy
260. the court se_____n *n.* a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity
261. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
262. ann_____te all doubts *v.* to destroy completely; to cause something to cease to exist
263. in_____ve judgment *adj.* obtained through feelings rather than facts or proof
264. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
265. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
266. vi___l navigation *adj.* relating to seeing or sight
267. at_____t attention *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones

ANSWERS: 257. spherical, 258. illusion, 259. ray, 260. session, 261. structure, 262. annihilate, 263. intuitive, 264. detect, 265. introduction, 266. visual, 267. attract

268. or____ry annual revenue *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
269. ve____al takeoff *adj.* upright or perpendicular to a horizontal surface or line
270. career tra____ry *n.* the curved path followed by an object moving through space
271. su____ce abuse problem *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
272. di____t the economy *v.* to change something's shape, appearance, or sound so that it appears weird or unclear
273. developed sn____ot *n.* an informal photograph, especially one taken quickly
274. s__w the message *v.* to turn or place at an angle; to make biased or distorted with the result that it is not accurate, fair, normal, etc.
275. hor____al stripes *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
276. ig___e a ban *v.* to intentionally not listen or pay attention to
277. artist's si____re *n.* a person's name, often handwritten, written in a distinctive way as a form of identification or authorization; a distinctive feature or characteristic that is a hallmark or identifying mark of something or someone

ANSWERS: 268. ordinary, 269. vertical, 270. trajectory, 271. substance, 272. distort, 273. snapshot, 274. skew, 275. horizontal, 276. ignore, 277. signature

278. medically-induced c__a *n.* a state of prolonged unconsciousness, typically caused by severe injury or illness, during which a person is unresponsive and lacks awareness of their surroundings
279. em_____ze her words *v.* to give or show particular importance to something
280. inv_____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
281. elliptic ga___y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
282. se_____ve documents *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
283. the or__t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
284. cor_____nd to a standard *v.* to match or be similar to something else almost exactly; to exchange messages
285. LED-em_____ed glass *adj.* fixed firmly into the surface of something
286. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 278. coma, 279. emphasize, 280. investigate, 281. galaxy, 282. sensitive, 283. orbit, 284. correspond, 285. embedded, 286. reverse

287. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
288. the _____al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
289. PhD ca _____te *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
290. dis _____on of the earth's surface *n.* the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted
291. sh __e my head *v.* to remove body hair with a razor; to cut the price of something
292. do _____te possession *v.* to have or control a lot of power and influence over somebody or something
293. former co _____ue *n.* one of a group of a coworker, especially in a profession or a business
294. do on a con _____nt basis *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
295. my _____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 287. tap, 288. theoretical, 289. candidate, 290. distortion, 291. shave, 292. dominate, 293. colleague, 294. consistent, 295. mystery

296. field of vi___l arts *adj.* relating to seeing or sight
297. non-ci_____ar orbit *adj.* shaped like a circle; having a round form
298. ele_____ry level *adj.* relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects
299. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
300. fu__y memory *adj.* having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
301. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
302. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
303. si_____re dish *n.* a person's name, often handwritten, written in a distinctive way as a form of identification or authorization; a distinctive feature or characteristic that is a hallmark or identifying mark of something or someone

ANSWERS: 296. visual, 297. circular, 298. elementary, 299. interaction, 300. fuzzy, 301. develop, 302. expand, 303. signature

304. ann_____te the enemy *v.* to destroy completely; to cause something to cease to exist
305. in_____ct with one another *v.* to communicate or react with somebody
306. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
307. fu__y logic *adj.* having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
308. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
309. gr__h theory *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
310. pl____t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
311. a cl_____r of stars *n.* a group of similar things or people close together, often forming a distinct mass or unit
312. a remote re_____ve *adj.* considered and evaluated through comparison with something else
313. a broad sp_____um of opinion *n.* an ordered array of colors into which a light beam can be split

ANSWERS: 304. annihilate, 305. interact, 306. develop, 307. fuzzy, 308. particle, 309. graph, 310. planet, 311. cluster, 312. relative, 313. spectrum

314. ex_____e weather events *adj.* very great in amount or degree
315. chest mea_____nt *n.* the act or process of finding something's size, quantity, or degree
316. me_____n name *v.* to speak or write about something or someone briefly
317. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
318. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
319. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
320. di_____s solutions *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
321. ey_____l motion *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
322. an or_____ry school *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

ANSWERS: 314. extreme, 315. measurement, 316. mention, 317. bang, 318. function, 319. detect, 320. discuss, 321. eyeball, 322. ordinary

323. mo___g experience

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

324. ve_____al axis

adj. upright or perpendicular to a horizontal
surface or line

ANSWERS: 323. moving, 324. vertical

Session 3: Fill in the Blanks

1. The _____ of the two groups is good for brainstorming.
n. the act of connecting with someone, mainly when working, playing, or spending time with them
2. The building makes a remarkable _____ impact.
adj. relating to seeing or sight
3. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.
n. one of four equal parts; a fourth part or portion
4. He could no longer tell the difference between _____ and reality.
n. a false idea or belief, especially about somebody or about a situation
5. This exam requires excellent _____ to pass.
n. the ability to focus all your time and energy on one thing without thinking about anything else.
6. This predictive model mechanically _____ past trends into the future.
v. to guess or think about what might happen or estimate something using the facts that you have now
7. They _____ customers with a premium for loyal patronage.
v. to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

ANSWERS: 1. interaction, 2. visual, 3. quarter, 4. illusion, 5. concentration, 6. extrapolates, 7. encouraged

8. The _____ session of the Diet opened.

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

9. Most countries prohibit sexual activity between certain close _____.

adj. considered and evaluated through comparison with something else

10. The store is _____ empty.

adv. almost or nearly

11. A vast _____ chandelier glittered brightly above us.

n. a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica

12. That adventurer traveled in _____ of buried treasure.

n. a long or challenging search for something

13. We will _____ to find a solution to the problem as quickly as possible.

v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective

14. He has a flair for _____.

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

15. What do you _____ the culprit's motive was?

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

ANSWERS: 8. ordinary, 9. relatives, 10. practically, 11. crystal, 12. quest, 13. endeavor, 14. mathematics, 15. suppose

16. 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
17. He was an atheist and therefore did not believe in the _____ of heaven or hell.
- n.* the state or fact of someone or something existing
18. Einstein was an outstanding and famous _____ of the 20th century.
- n.* a scientist who specializes in the field of physics
19. The rocket engine is used to put the satellite into _____.
- n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
20. He made a _____ argument for the new policy.
- adj.* tending to make you want to do or believe a particular thing; convincing
21. This device displayed the speech _____ spectrographically.
- n.* an ordered array of colors into which a light beam can be split
22. Overall _____ are approximately 400x200mm.
- n.* a measurable extent of a particular kind, such as width, height, or length
23. I always keep a stack of _____ on my desk while I eat to prevent any messes.
- n.* a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions

ANSWERS: 16. colleague, 17. existence, 18. physicist, 19. orbit, 20. persuasive, 21. spectrum, 22. dimensions, 23. napkins

24. The teacher is very _____ to children's feelings.

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

25. Shall we _____ a bite to eat?

v. to take hold of something or someone suddenly with a hand, especially in a violent way

26. _____ rays are a type of high-energy radiation that can be harmful to living organisms.

n. the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves

27. The company has shown an excellent growth _____ over the years.

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

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

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

29. This question has fascinated solar _____ for decades.

n. a physicist who studies astronomy

30. Please refrigerate the meat, or it will _____.

v. to decay, or cause something to decay, naturally and gradually

31. Absolute zero is the lowest _____ temperature.

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

ANSWERS: 24. sensitive, 25. grab, 26. Gamma, 27. trajectory, 28. predict, 29. astronomers, 30. rot, 31. theoretical

32. The ladder leaned against the _____ surface of the building.

adj. upright or perpendicular to a horizontal surface or line

33. The outermost _____ shell determines the chemical properties of an atom.

n. a tiny particle with the negative electrical charge

34. The company's _____ is "Innovation and Service," which is reflected in its products and customer support.

n. a phrase or slogan that expresses a guiding principle or goal

35. The _____ to the new class was informative and engaging.

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

36. _____ dropping wears away the stone.

adj. happening repeatedly or all the time

37. The committee _____ several apparent inconsistencies.

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

38. You are not _____ in your behavior.

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

39. The virus had the potential to _____ entire populations if left unchecked.

v. to destroy completely; to cause something to cease to exist

ANSWERS: 32. vertical, 33. electron, 34. motto, 35. introduction, 36. Constant, 37. investigated, 38. consistent, 39. annihilate

40. The mischievous ____ caused trouble wherever it went.

n. a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore

41. The _____ between the two sides over the proposed policy was heated.

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

42. The _____ chip in my credit card allows me to make contactless payments.

adj. fixed firmly into the surface of something

43. That team signed a center forward who was a ball-_____.

n. a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations

44. Bell-bottom jeans, once considered _____ fashion, have made a surprising comeback in recent years.

adj. no longer fashionable or current; outdated; considered to be old-fashioned or out of date

45. The third season of the anime show has been _____.

v. to make something known or officially inform people about something

46. They hope to _____ their business worldwide.

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

47. The interests of the two countries _____.

v. to hit something violently when moving

ANSWERS: 40. imp, 41. argument, 42. embedded, 43. hawk, 44. passe, 45. announced, 46. expand, 47. collide

48. A _____ of grapes hung from the vine.
n. a group of similar things or people close together, often forming a distinct mass or unit
49. To find drunk drivers, police conduct _____ tests.
adj. made, done, or happening without method, conscious decision, or any regular pattern
50. She falls over _____ when she sees her mother-in-law.
adv. at, to, or toward the direction or place that is behind or rear
51. He should _____ more with his colleagues.
v. to communicate or react with somebody
52. Parliament is now in _____.
n. a formal meeting or series of meetings for the execution of a particular group's functions; a period spent doing a particular activity
53. That supermarket tried to _____ certain costs by saving electricity.
v. to remove body hair with a razor; to cut the price of something
54. His hypothesis concerns the role of an _____ field in human health.
adj. of or relating to the magnetism produced by electric charge in motion
55. The curve of the graph approaches but never quite reaches an _____ line.
adj. having a line or curve that approaches another without ever meeting or intersecting used to describe mathematical functions or relationships that approach a limit without ever reaching it

ANSWERS: 48. cluster, 49. random, 50. backward, 51. interact, 52. session, 53. shave, 54. electromagnetic, 55. asymptotic

56. The company is undergoing an _____ opening new locations in several states.
n. the process of becoming larger or more extensive, or the result of this process
57. _____ cells in the eye's retina are responsible for color vision and visual acuity.
n. a geometric shape that tapers to a point at one end and has a circular base at the other end
58. The numbers on the sign _____ to points on the map.
v. to match or be similar to something else almost exactly; to exchange messages
59. The picture was _____ because it was taken with an old camera.
adj. having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
60. Her visit will _____ from Monday to Friday.
v. to broaden in scope, range, or area
61. The _____ of people who do not own property is politically impotent.
n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
62. The Milky Way _____ has numerous water-bearing planets.
n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
63. The phenomenon is _____ at optical wavelengths.
adj. impossible or nearly impossible to see

ANSWERS: 56. expansion, 57. Cone-shaped, 58. correspond, 59. fuzzy, 60. extend, 61. mass, 62. galaxy, 63. invisible

64. The company signed a _____ with the supplier for the delivery of goods.
- n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
65. Unfortunately, the accident left him in a deep _____.
- n.* a state of prolonged unconsciousness, typically caused by severe injury or illness, during which a person is unresponsive and lacks awareness of their surroundings
66. This ad campaign is aimed _____ at young women.
- adv.* only associated with or meant for one thing
67. The lawyer confirmed that the _____ on the contract was genuine.
- n.* a person's name, often handwritten, written in a distinctive way as a form of identification or authorization; a distinctive feature or characteristic that is a hallmark or identifying mark of something or someone
68. This accident was something that happened _____.
- adv.* in an essential manner; in such a way as could not be otherwise
69. The wind _____ the leaves all over the lawn.
- v.* to scatter or spread things over an area; to scatter something in an untidy way
70. They had to _____ a system that did not depend on fossil fuels.
- v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination
71. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 64. contract, 65. coma, 66. specifically, 67. signature, 68. necessarily, 69. strew, 70. devise, 71. distance

72. The satellite's _____ orbit made it appear to change its distance from earth.

adj. having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself

73. The _____ force of the black hole was so strong that nothing, not even light, could escape.

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

74. Global _____ is rising in virtually every industry.

n. a situation in which someone is attempting to beat or outperform another

75. The relationship _____ between the two countries were complex and constantly changing.

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

76. Airplanes need _____ tails to improve stability.

adj. parallel to the ground or in a baseline; being at the same level as all members of a group

77. He describes the story with _____ reality.

adj. extremely surprising, astonishing, and sometimes worrying

78. The battle had an _____ impact on the nation.

adj. unlimited or very great; impossible to measure

ANSWERS: 72. elliptical, 73. gravitational, 74. competition, 75. dynamics, 76. horizontal, 77. startling, 78. infinite

79. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
80. The minority _____ believed in a set of unconventional religious practices.
n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
81. The perspective of his right brain _____ his consciousness.
v. to have or control a lot of power and influence over somebody or something
82. As an _____ he had the right to make his own decisions and live his life as he saw fit.
n. a single person or thing, as distinct from a group
83. Do you know the _____ of the population in Hong Kong?
n. the quality of compactness of a substance
84. A _____ of ink fell on the floor.
n. a small amount or drop of a thick liquid or sticky substance
85. The government is eager to _____ international investment.
v. to draw or entice someone or something towards them through the qualities they have, especially positive ones
86. We can calculate the position of the _____ statistically.
n. a small piece of something; a word or piece of a term with grammatical function but little or no significance
87. The _____ over climate change continues to be a hot topic in politics.
n. a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives

ANSWERS: 79. detected, 80. sect, 81. dominates, 82. individual, 83. density, 84. blob, 85. attract, 86. particles, 87. debate

88. The _____ of the argument was well-presented.
- n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
89. Infant formulas are nutritionally almost _____ to a mother's breast milk.
- adj.* being the exact same one
90. He couldn't _____ the actual value of the artwork.
- v.* to judge or find out the amount or number of something by using mathematics
91. 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.
92. The _____ disappearance of the ship remains unsolved.
- adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
93. Since independence, the area has been completely _____.
- v.* to intentionally not listen or pay attention to
94. A rainbow is a natural _____.
- n.* something that exists and can be perceptible, especially one that is not fully understood
95. Companies often _____ their shares to lower the stock price and encourage investors to buy.
- v.* to divide, or to make something divide into two or more parts, especially along a particular line

ANSWERS: 88. substance, 89. identical, 90. calculate, 91. satellite, 92. mysterious, 93. ignored, 94. phenomenon, 95. split

96. There were framed _____ of family and friends in her room.
n. an informal photograph, especially one taken quickly
97. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
98. The results of the poll are _____ because it only surveyed a small group of people.
v. to turn or place at an angle; to make biased or distorted with the result that it is not accurate, fair, normal, etc.
99. My father tried to _____ mathematics into my head since childhood.
v. to hit or cause to hit something in a way that makes a loud noise
100. Please _____ to the instruction manual for further assistance.
v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
101. She tends to _____ on small details, often losing sight of the bigger picture.
v. to focus one's attention or become overly obsessed with someone or something; to become mentally obsessed or preoccupied with a particular idea, thought, or image
102. According to the theory of relativity, time is different for each _____.
n. a person who watches or notices someone or something but has no active part in it
103. The _____ platform focused on healthcare reform and reducing income inequality.
n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant

ANSWERS: 96. snapshots, 97. mentioned, 98. skewed, 99. bang, 100. refer, 101. fixate, 102. observer, 103. candidate's

104. I had an _____ feeling that I might be pregnant.

adj. obtained through feelings rather than facts or proof

105. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

106. A significant amount of _____ is required to be a teacher.

n. the reason or enthusiasm for acting or behaving in a particular way

107. She agreed to _____ with him in creating new artwork.

v. to work with someone else to produce or achieve something

108. This electronic _____ is required to undergo periodic inspections to ensure precision.

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

109. _____ school students must learn basic math and reading skills.

adj. relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects

110. Mercury is the closest _____ to the sun.

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

111. Her _____ response to the criticism showed her ability to remain calm and composed under pressure.

adj. done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful

ANSWERS: 104. intuitive, 105. extreme, 106. motivation, 107. collaborate, 108. instrument, 109. Elementary, 110. planet, 111. measured

112. This bar _____ shows sales over the past five years.

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

113. We need to _____ the next steps for the project during our meeting tomorrow.

- v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

114. Gamma _____ penetrate body tissues and cause cell damage.

- n.* a narrow line of light, heat, or another form of energy

115. These results muddied the _____.

- n.* the act of predicting the future by reasoning; a statement made about the future

116. The photographer took this photo using a telephoto _____.

- n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

117. To expand the company, we must _____ new human resources.

- v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

118. The official transcript contains _____ academic records.

- adj.* correct and exact in all details

119. Human behavior has _____ characteristics.

- adj.* forming an essential base or core from which everything else develops or is affected

ANSWERS: 112. graph, 113. discuss, 114. rays, 115. prediction, 116. lens, 117. tap, 118. accurate, 119. fundamental

120. The researcher _____ the momentum of the particles from meteoritic velocities.

v. to arrive at an answer, a conclusion, or a decision by reasoning

121. There was an _____ noise coming from the attic that frightened us all.

adj. not able to be explained or understood, lacking explanation or justification for something unknown or mysterious

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

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

123. The _____ of the car was too fast for the road conditions.

n. the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

124. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

125. The ability to _____ people is a priceless asset.

v. to make someone want to do something, especially something that requires tremendous work and effort

126. The shimmering heat created a _____ in the distance, fooling our eyes into seeing an oasis.

n. an optical phenomenon caused by the refraction of light in the Earth's atmosphere, creating a false or distorted image of distant objects or landscapes, often appears as a shimmering or floating appearance, typically seen in deserts or over hot surfaces

ANSWERS: 120. deduced, 121. unexplained, 122. moving, 123. velocity, 124. straight, 125. motivate, 126. mirage

127. The _____ shape of the planet makes it difficult to determine which direction is north.

adj. shaped like a circle; having a round form

128. The restaurant _____ a ban on smoking.

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

129. Increased _____ pressure leads to the development of glaucoma.

n. the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

130. The _____ error of this industrial machine is less than one micrometer.

n. the act or process of finding something's size, quantity, or degree

131. You must _____ with others to obtain this position.

v. to strive to achieve more success than someone or something

132. His _____ showed highly positive results.

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

133. He moved his body _____ to the left.

adv. in a small degree or extent; a little

134. The wedding _____ was held in the grand ballroom of the hotel.

n. the act of receiving or the state of being received, especially warmly or kindly; a formal party of people

135. The sponge _____ water well.

v. to take in a fluid or other substance gradually

ANSWERS: 127. circular, 128. reversed, 129. eyeball, 130. measurement, 131. compete, 132. experiments, 133. slightly, 134. reception, 135. absorbs

136. 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
137. Health and _____ are, above all, gold.
n. the quality or state of being physically, or sometimes mentally, strong
138. The _____ party strongly disagreed with the government's proposed legislation.
n. the act of disagreeing or resisting; the state of strong disagreement
139. Shakespeare's output of poetry was _____.
adj. extremely large or great
140. We must _____ a new system to streamline our workflow and increase efficiency.
v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
141. She accidentally _____ into him in the crowded room.
v. to hit or knock against something hard, often with a dull sound; to meet with by accident
142. The company's hiring criteria emphasize personality, not a person's _____.
n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 136. optical, 137. strength, 138. opposition, 139. enormous, 140. develop, 141. bumped, 142. background

143. A ball flew in a big ____.

n. the shape of a portion of a circle or other curved line

144. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

145. Use italics or capitals to _____ a word in a piece of writing.

v. to give or show particular importance to something

146. The treatments were done but, _____ were unsuccessful.

adv. by bad luck; unluckily

147. The organizational _____ of start-ups is often flat and straightforward.

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

148. The _____ is about 13.8 billion years old.

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

149. The leaves of the fern were arranged in a _____ pattern.

n. a curve that coils around a central point and gets progressively farther away from it as it goes around

150. The brain is an incredibly complex organ that controls the body's _____.

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 143. arc, 144. physics, 145. emphasize, 146. unfortunately, 147. structure, 148. universe, 149. spiral, 150. function

151. He had a _____ of stubbornness that made him difficult to work with.

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

152. This trail takes _____ 2.5 hours.

- adv.* close to a specific number or time but not exactly that number or time

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

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

154. The soccer player was able to _____ the ball away from the goal.

- v.* to cause something, especially a criticism or attack, to be directed away from someone

155. Her report was criticized as a gross _____ of the truth.

- n.* the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted

156. During the unloading, the container box _____ a clicking sound.

- v.* to give off or send out something such as light, heat, sound, gas, etc.

157. The Earth is a nearly _____ planet.

- adj.* having the shape of a sphere; round, spherical, or ball-shaped in appearance

158. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.

- n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 151. streak, 152. approximately, 153. accelerate, 154. deflect, 155. distortion, 156. emits, 157. spherical, 158. mystery

159. Economists contend that taxes _____ consumer behavior in general.

- v.* to change something's shape, appearance, or sound so that it appears weird or unclear

160. The company is set to _____ its new product line next month.

- v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

161. She felt an instant _____ toward him.

- n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

162. This facility has the largest astronomical _____ in the country.

- n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

ANSWERS: 159. distort, 160. launch, 161. attraction, 162. telescope