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Chris Anderson (TED): Questions no one knows the answers to | TED Talk

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All Words

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Session 1: Word List

typical

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

synonym: characteristic, usual, distinctive

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

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

endless

adj. having no end or conclusion; infinitely very large in size or amount

synonym: infinite, ceaseless, boundless

(1) **endless** possibilities, (2) **endless** hours

He looked out the window at the **endless** stream of people.

puzzle

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

synonym: plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

insect

n. any small creature that has six legs and a body divided into three sections

(1) **insect** antenna, (2) **insect** biology
These **insects** are more prevalent above a certain latitude.

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.

accident

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

synonym: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**
The **accident** partially destroyed my vehicle.

innocent

adj. not guilty of a crime, offense, etc.; not having an evil mind or knowledge

synonym: blameless, honest, harmless

(1) an **innocent** child, (2) thousands of **innocent** people
My husband was found **innocent** of any crime.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**
In junior high school, we had to dissect a frog in **biology** class.

conscious

adj. being aware of and able to respond to what is happening around you

synonym: aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded
He became **conscious** that he was being followed.

dive

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

synonym: dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff
The sperm whale can **dive** to 1,000 meters.

exciting

adj. causing a lot of interest or excitement

synonym: exhilarating, stimulating, thrilling

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

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

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.

flee

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

synonym: exit, escape, run away

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

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

gaze

v. to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else

synonym: stare, gawk, look

(1) **gaze** steadily at his face, (2) **gaze** absently out a window

The youngster was **gazed** at by the beast.

desert

n. arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

vast

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

synonym: expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

scheme

n. an organized and often large-scale plan or arrangement for doing something

synonym : strategy, blueprint, plan

(1) a pilot **scheme**, (2) draw out a **scheme**

They carefully executed the well-planned **scheme** they had prepared over the years.

pinprick

n. a very small hole in something, especially made by a pin or needle; a minor annoyance

(1) a tiny **pinprick**, (2) feel a **pinprick** sensation

He felt a **pinprick** of disgust.

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.

pale

adj. having skin that is very light colored; lacking in vitality or interest or effectiveness

synonym : sallow, faint, ashen

(1) a **pale** complexion, (2) **pale** pink

She turned **pale** when she heard the news.

mist

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

synonym : fog, murk, haze

(1) **mist** in the morning, (2) fine **mist**

The sun has risen, and the **mist** has faded.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym : lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story
Some herds have been observed to **stretch** hundreds of kilometers.

detectable

adj. capable of being discovered or identified

synonym: perceptible, noticeable, observable

(1) a barely **detectable** change, (2) **detectable** by the human ear

The object is **detectable** at ultraviolet wavelengths.

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.

grain

n. wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance

synonym: seed, piece, cereal

(1) a **grain** of sand, (2) flour made from **grain**

Ordinary air purifiers cannot adequately remove pollen **grains**.

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

holy

adj. of or related to a god, divine power, or a particular religion

synonym: sacred, religious, divine

(1) a **holy** man, (2) a **holy** shrine

They gathered to hear the **holy** teachings of the guru.

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**.

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.

imaginable

adj. capable of being imagined

synonym : conceivable, plausible, possible

(1) easily **imaginable**, (2) worst **imaginable** case

This is the only **imaginable** strategy.

minuscule

adj. extremely small; tiny

synonym : tiny, insignificant, microscopic

(1) **minuscule** amount, (2) **minuscule** letters

This ore emits **minuscule** quantities of radiation

fraction

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

synonym : piece, part, fragment

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

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

spacious

adj. (especially of a room or building) very large and plenty of space

synonym : big, roomy, ample

(1) a **spacious** room, (2) **spacious** country

They gazed blankly at the **spacious** skies.

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.

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.

pace

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

synonym : gait, rate, speed

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

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

separate

v. to force, take, or pull apart; mark as different

synonym : disunite, isolate, ramify

(1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

intimate

adj. having a very close friendship, personal

synonym : close, tight, friendly

(1) my **intimate** affairs, (2) **intimate** relationship

He has an **intimate** knowledge of American history.

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym : far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

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.

giant

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

synonym : big, gigantic, huge

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

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

edifice

n. a large and imposing building

synonym : structure, palace, skyscraper

(1) a sacred **edifice**, (2) add to the **edifice** of knowledge

The city is famous for its magnificent **edifice**.

atom

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

synonym : particle, element, fraction

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

The outermost electron shell of an **atom** determines its chemical characteristics.

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.

proton

n. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

(1) **proton** decay, (2) **proton** conductivity

The solar wind is composed almost entirely of electrons and **protons**.

quark

- n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.;
- fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
- (1) **quark** physics, (2) the antiparticle of a **quark**
- The Big Bang theory states that **quark-gluon** plasma filled the entire universe before matter as we know it was created.

neutrino

- n.* a very small and electrically neutral particle with a very small mass that rarely reacts with other matter
- (1) **neutrino** capture, (2) sterile **neutrinos**
- This laboratory has a pool consisting of thousands of **neutrino** detectors.

physics

- n.* the science of matter and energy and their interactions
- (1) nuclear **physics**, (2) laws of **physics**
- He studied the **physics** of radiation.

string

- n.* long, thin material used for tying things together, composed of several twisted threads
- synonym* : line, wire, rope
- (1) retie the **string** and make it strong, (2) tense piano **strings**
- She wore a **string** of pearls around her neck.

countless

- adj.* too numerous to be counted or very many
- synonym* : innumerable, myriad, numerous
- (1) **countless** hours, (2) answer **countless** questions
- There are **countless** methods for dealing with stress.

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.

flash

n. a sudden intense burst of radiant energy; a momentary brightness

synonym : sparkle, gleam, glimmer

(1) a **flash** of lightning, (2) brilliant **flash**

These heavy rains caused **flash** floods on several islands.

nanosecond

n. one thousand millionth or billionth (= 0.000,000,001) of a second

(1) **nanosecond** response, (2) **nanosecond** laser pulse

The processor performs calculations on the **nanosecond** timescale.

nonetheless

adv. in spite of what has just been said or done; nevertheless

synonym : nevertheless, regardless, still

(1) we are **nonetheless** confident, (2) love him

nonetheless

They each choose **nonetheless** to battle.

combine

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

synonym : coalesce, cohere, blend

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

(2) **combine** augmented reality

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

multiverse

n. a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them

(1) the **multiverse** hypothesis, (2) the concept of the

multiverse

The various universes within the **multiverse** are sometimes called parallel universes.

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.

imaginary

adj. existing only in someone's mind

synonym: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

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.

observable

adj. that can be noticed or seen

synonym: visible, perceptible, detectable

(1) **observable** change, (2) experimentally **observable**

Any theorem relies on both **observable** fact and assumption.

cycle

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

synonym: revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by

cycle

The food chain causes a material **cycle**.

trillion

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

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

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

infinity

n. the state or quality of having no end or limit; (mathematics) a number greater than any natural number

synonym: endlessness, boundlessness, continuity

(1) the **infinity** of the universe, (2) negative **infinity**

That investor saw an **infinity** of possibilities in this company.

continuum

n. a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts

synonym: continuation, continuity

(1) a space-time **continuum**, (2) the **continuum** of events
Our life is a **continuum** of experience in which events pass from the future through the present to the past.

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.

vary

v. to become different in terms of size, shape, etc.
synonym: alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

quantum

n. the smallest amount or unit of something, especially (electromagnetic) energy

(1) probabilistic **quantum** theory, (2) laws of **quantum** mechanics

Big techs are now eager to develop **quantum** computers.

wrinkle

n. a small line or fold in something, especially fabric or the skin of the face; a minor difficulty

synonym: crinkle, fold, crumple

(1) a fine **wrinkle** on a fabric, (2) a facial **wrinkle**

This suit is made of **wrinkle-proof** material.

doubt

n. a feeling of being uncertain about something, especially about how good or accurate it is

synonym: distrust, suspect, mistrust

(1) dispel **doubts**, (2) no **doubt** about the news

Doubt is the start, not the end, of intelligence.

interpret

v. to explain or assign the meaning of information, actions, etc.

synonym : decode, decipher, analyze

(1) **interpret** a graph, (2) **interpret** the question

Different people might **interpret** this news differently.

baffle

v. to bewilder or perplex someone completely and to be unable to understand or explain something

synonym : perplex, astound, hinder

(1) **baffle** his plan, (2) **baffle** outside noises

The paradox **baffled** most philosophers.

parallel

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

synonym : aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing

He walked a road **parallel** to the railroad.

spawn

v. to lay eggs or to produce offspring; to cause something to develop

synonym : beget, breed, generate

(1) **spawn** in spring, (2) **spawn** a new concept

The salmon swims upstream to **spawn** in the place they were released.

graduate

n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

synonym : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

honor

n. high regard or great respect for someone; the quality of having and doing based on a keen sense of morality;

(verb) to show respect towards someone

synonym: integrity, virtue, acclaim

(1) womanly **honor**, (2) **honor** our ancestors

I claim on my **honor** that it is true.

hogwash

n. an idea, behavior, argument, etc., that you think is stupid and unacceptable

synonym: nonsense, bunk, ludicrousness

(1) complete **hogwash**, (2) **hogwash** of quiet diplomacy

This media has long been criticized for spreading paranoid **hogwash**.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym: doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

mystic

adj. having spiritual powers or qualities that are beyond ordinary understanding; (noun) someone who believes in the existence of realities beyond human comprehension

synonym: secret, mystical, supernatural

(1) **mystic** teaching, (2) medieval **mystic**

He is interested in the **mystic** rites of that religion.

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.

undergo

v. to go through something unpleasant or that involves a change

synonym: experience, suffer, endure

(1) **undergo** surgery, (2) **undergo** a decrease
The train has to **undergo** rigorous safety checks.

paradigm

n. a standard or typical example of something; a pattern or model

synonym: example, standard, epitome

(1) major **paradigm** shift, (2) cultural **paradigm**

He postulated a completely different **paradigm** to explain all these phenomena.

shift

n. a slight transition in position, direction, or trend

synonym: transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

alien

n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

synonym: foreigner, unfamiliar, unknown

(1) **alien** fungi, (2) resident **aliens**

Alien species have drastically altered the ecosystem in this area.

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.

teem

v. to be abuzz; to move in large numbers; to fall heavily

synonym: brim, swarm, overflow

(1) **teem** with activity, (2) **teem** down

The city **teems** with traffic on holiday.

conspiracy

n. a secret agreement between two or more people to perform something harmful or illegal

synonym : plot, collaboration, scheme

(1) political **conspiracy**, (2) **conspiracy** theory

There was a **conspiracy** of silence about illegal police interrogation.

convincing

adj. able to make someone believe that something is true

synonym : clear, compelling, believable

(1) a **convincing** victory, (2) **convincing** biochemical explanation

I found her assertion pretty **convincing**.

riddle

n. a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game

synonym : mystery, puzzle, enigma

(1) **riddle** me a riddle, (2) solve the **riddle**

The **riddle** remains mysterious to us.

observatory

n. a building designed and equipped to observe the planets, the stars, the weather, etc.

(1) space **observatory**, (2) a meteorological **observatory**

That astronomical **observatory** stands at the top of the mountain.

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.

harbor

n. an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

synonym : port, dock, pier

(1) a sheltered **harbor**, (2) **harbor** a resentment

The tsunami swamped every boat in the **harbor**.

underway

adj. having started and currently in progress

synonym : afoot, ongoing, in motion

(1) just getting **underway**, (2) campaign now **underway**

This project has been **underway** for several years.

intelligent

adj. having the capacity for thought and reason, especially to a high degree

synonym : brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system

Intelligent robots that can cooperate with humans have limited motor output for safety.

dramatically

adv. in a very impressive manner

synonym : greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell

dramatically

Life expectancy has grown **dramatically** this century.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym : crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

artifact

n. a person-made object, especially one of historical or cultural interest

synonym : antique, relic, heirloom

(1) paleolithic **artifacts**, (2) Peruvian **artifacts**

The museum has a vast collection of Greek **artifacts**.

fleet

n. a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast

synonym : armada, flotilla, (adjective) speedy

(1) **fleet** of foot, (2) a **fleet** horse

We destroyed a **fleet** of 70 enemy ships.

colon

n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

spaceship

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

synonym : starship, rocket, spacecraft

(1) a **spaceship** to survey the moon, (2) alien **spaceship**

They launched a crewless **spaceship** into space.

glorious

adj. having or deserving great admiration, praise, and honor; having great beauty and splendor

synonym : exquisite, magnificent, majestic

(1) a **glorious** victory, (2) photo in **glorious** color

I choose a **glorious** death rather than a shameful life.

presence

n. the fact or state that someone or something exists, occurs, or is present

synonym : existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

deliberately

adv. done in an intentional or slow and careful manner

synonym : intentionally, knowingly, willfully

(1) **deliberately** amateurish, (2) commit a crime

deliberately

He **deliberately** misleads others.

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.

numerous

adj. amounting to a large indefinite number

synonym: many, considerable, countless

(1) **numerous** countries, (2) as **numerous** as the sand

These descriptions are based on a number of **numerous** assumptions.

superintelligence

n. a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind

(1) digital **superintelligence**, (2) artificial **superintelligence**

He is looking for evidence of the existence of **superintelligence** from cosmic signals.

impose

v. to officially force a new law, tax, duty, etc. to be obeyed or received

synonym: charge, levy, foist

(1) **impose** harsher sanctions, (2) **impose** tariffs

The problem with achievement tests is the narrowness they **impose** on students.

strict

adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

synonym: rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

paranoid

adj. unreasonably or obsessively believing that other people do not like you or want to harm you

(1) **paranoid** about issues, (2) **paranoid** disorder

A **paranoid** person may have delusions that people want to harm.

competitor

n. a person who participates in a sporting contest; a person or organization that competes with others, particularly in business

synonym: opponent, contender, contestant

(1) beat **competitor** offer, (2) domestic **competitor**

The gap between the company and its **competitors** has widened.

obliterate

v. to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory

synonym: destroy, eliminate, erase

(1) **obliterate** all traces, (2) **obliterate** data

The accident at that nuclear power plant **obliterated** the local ecosystem.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

intelligence

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

synonym: brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym: refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

destruction

n. the act of causing so much damage to something

synonym: devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

pitiful

adj. making people feel sorrow or sympathy; very small or poor

synonym: miserable, contemptible, sorry

(1) a **pitiful** fate, (2) cast **pitiful** eyes

We heard their **pitiful** laments throughout the night.

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.

ultimate

adj. furthest or highest in degree or order

synonym: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

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.

efficiently

adv. in a way that produces maximum output with minimum effort or expense

synonym: expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

clunky

adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

synonym: clumsy, bulky, burdensome

(1) **clunky** phrasing, (2) **clunky** robot

Refined character portrayal makes up for **clunky** gameplay.

shrink

v. to become smaller, or to make something smaller in size or amount

synonym: decrease, diminish, shy away

(1) **shrink** the tumor, (2) **shrink** with fear

This shirt will **shrink** in the wash.

footprint

n. a mark of a foot, shoe, or animal's foot left on a surface

synonym: footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

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

environment

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

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

solar

adj. of, from, or relating to the sun

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

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

crazy

adj. stupid or not sensible; very angry

synonym: insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

outlive

v. to live longer than another person

synonym: continue, outlast, survive

(1) **outlive** its usefulness, (2) **outlive** our child

She **outlived** her husband for many years.

phase

n. any stage in a series of events, change, or development

synonym: degree, stage, step

(1) enter on the last **phase**, (2) two- **phase** structure

The era of the industrial revolution was a crucial **phase** of history.

spectroscope

n. an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

(1) infrared **spectroscope**, (2) Fourier **spectroscope**

An X-ray **spectroscope** can determine the composition of

the elements in a sample.

amazing

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

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

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.

scratch

v. to cut or damage the surface of something or the skin with a sharp or pointed object

synonym: claw, rub, scrape

(1) **scratch** off a name, (2) **scratch** my signature

Don't **scratch** your mosquito bites.

awe-inspiring

adj. making you feel great respect or admiration through being impressive or formidable

synonym: magnificent, amazing, astonishing

(1) **awe-inspiring** painting, (2) **awe-inspiring** power

The moment the glacier collapses is an **awe-inspiring** sight.

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.

dull

adj. not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp

synonym: insensitive, unintelligent, boring

(1) a **dull** pain, (2) **dull** sight

The trade is **dull** right now due to the collapse of the

prominent investment bank.

possibility

n. a chance that something may happen or be true
synonym: chance, prospect, likelihood

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

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

unanswered

adj. not responded to or explained
synonym: ignored, unrequited, undecided

(1) **unanswered** love, (2) **unanswered** e-mail

Pardon me for leaving some of your questions **unanswered**.

Session 2: Spelling

1. a fl__t horse *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
2. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
3. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
4. the in_____ty of the universe *n.* the state or quality of having no end or limit; (mathematics) a number greater than any natural number
5. the qu__t for truth *n.* a long or challenging search for something
6. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
7. a sheltered ha____r *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession
8. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
9. f__e their homes *v.* to leave by running away, especially out of fear or danger
10. co__n examination *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

ANSWERS: 1. fleet, 2. incredibly, 3. represent, 4. infinity, 5. quest, 6. trillion, 7. harbor, 8. fraction, 9. flee, 10. colon

- | | |
|-------------------------------|--|
| 11. se____te cream from milk | <i>v.</i> to force, take, or pull apart; mark as different |
| 12. the mul_____se hypothesis | <i>n.</i> a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them |
| 13. v__t majority | <i>adj.</i> enormous in size, number, amount, or quantity |
| 14. ou_____e our child | <i>v.</i> to live longer than another person |
| 15. cast off a h__k | <i>n.</i> a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations |
| 16. phi_____hy of education | <i>n.</i> the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind |
| 17. oxygen a__m | <i>n.</i> the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus |
| 18. gi__t tech company | <i>adj.</i> enormous; much bigger or more important than similar items usually are |
| 19. sc_____h off a name | <i>v.</i> to cut or damage the surface of something or the skin with a sharp or pointed object |
| 20. d__e off a cliff | <i>v.</i> to jump into the water with your head and arms going in first, or to move down to a deeper level underwater |
| 21. paleolithic ar_____cts | <i>n.</i> a person-made object, especially one of historical or cultural interest |

ANSWERS: 11. separate, 12. multiverse, 13. vast, 14. outlive, 15. hawk, 16. philosophy, 17. atom, 18. giant, 19. scratch, 20. dive, 21. artifact

22. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
23. the il_____on of being in the forest *n.* a false idea or belief, especially about somebody or about a situation
24. in_____te relationship *adj.* having a very close friendship, personal
25. v__y according to the age *v.* to become different in terms of size, shape, etc.
26. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
27. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
28. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
29. sc_____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
30. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
31. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
32. the co_____um of events *n.* a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts
33. the ul_____te luxury *adj.* furthest or highest in degree or order
34. in_____te in supply *adj.* unlimited or very great; impossible to measure

ANSWERS: 22. dimension, 23. illusion, 24. intimate, 25. vary, 26. biology, 27. amazing, 28. trillion, 29. scratch, 30. bang, 31. predict, 32. continuum, 33. ultimate, 34. infinite

35. political con_____cy *n.* a secret agreement between two or more people to perform something harmful or illegal
36. im_____ry pregnancy *adj.* existing only in someone's mind
37. fl__t of foot *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
38. qu__k physics *n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
39. a fine wr_____e on a fabric *n.* a small line or fold in something, especially fabric or the skin of the face; a minor difficulty
40. nu_____us countries *adj.* amounting to a large indefinite number
41. beat com_____or offer *n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business
42. ba___e his plan *v.* to bewilder or perplex someone completely and to be unable to understand or explain something
43. theoretical ph_____st *n.* a scientist who specializes in the field of physics
44. experimentally obs_____le *adj.* that can be noticed or seen

ANSWERS: 35. conspiracy, 36. imaginary, 37. fleet, 38. quark, 39. wrinkle, 40. numerous, 41. competitor, 42. baffle, 43. physicist, 44. observable

45. a tiny pi____ck *n.* a very small hole in something, especially made by a pin or needle; a minor annoyance
46. a meteorological obs____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
47. the co__n at the end of the sentence *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
48. v__t desert *adj.* enormous in size, number, amount, or quantity
49. a pilot sc___e *n.* an organized and often large-scale plan or arrangement for doing something
50. Doppler sh__t *n.* a slight transition in position, direction, or trend
51. love him non____ss *adv.* in spite of what has just been said or done; nevertheless
52. ext____te animal dose *v.* to guess or think about what might happen or estimate something using the facts that you have now
53. un____o surgery *v.* to go through something unpleasant or that involves a change
54. nan____nd response *n.* one thousand millionth or billionth (= 0.000,000,001) of a second
55. con____ng biochemical explanation *adj.* able to make someone believe that something is true

ANSWERS: 45. pinprick, 46. observatory, 47. colon, 48. vast, 49. scheme, 50. shift, 51. nonetheless, 52. extrapolate, 53. undergo, 54. nanosecond, 55. convincing

56. draw out a sc___e *n.* an organized and often large-scale plan or arrangement for doing something
57. ou___e its usefulness *v.* to live longer than another person
58. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
59. ba___e outside noises *v.* to bewilder or perplex someone completely and to be unable to understand or explain something
60. pa_____id disorder *adj.* unreasonably or obsessively believing that other people do not like you or want to harm you
61. sp__n a new concept *v.* to lay eggs or to produce offspring; to cause something to develop
62. f__e abroad *v.* to leave by running away, especially out of fear or danger
63. a d__l pain *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
64. cl___y phrasing *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
65. easily ima_____le *adj.* capable of being imagined
66. 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
67. co_____us of having succeeded *adj.* being aware of and able to respond to what is happening around you
68. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

ANSWERS: 56. scheme, 57. outlive, 58. dimension, 59. baffle, 60. paranoid, 61. spawn, 62. flee, 63. dull, 64. clunky, 65. imaginable, 66. planet, 67. conscious, 68. graduate

69. a scanty ha_____t
n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm
70. cell and molecular bi_____y
n. the scientific study of life and the natural processes of living things
71. a di_____t memory
adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship
72. commit a crime del_____ely
adv. done in an intentional or slow and careful manner
73. ex_____d a lineup
v. to increase or to make something greater in size, number, or importance
74. 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
75. talented ph_____st
n. a scientist who specializes in the field of physics
76. cr__y about cars and racing
adj. stupid or not sensible; very angry
77. a gl_____us victory
adj. having or deserving great admiration, praise, and honor; having great beauty and splendor
78. as nu_____us as the sand
adj. amounting to a large indefinite number
79. the ul_____te goal in life
adj. furthest or highest in degree or order
80. en_____s possibilities
adj. having no end or conclusion; infinitely very large in size or amount
81. con_____cy theory
n. a secret agreement between two or more people to perform something harmful or illegal

ANSWERS: 69. harvest, 70. biology, 71. distant, 72. deliberately, 73. expand, 74. universe, 75. physicist, 76. crazy, 77. glorious, 78. numerous, 79. ultimate, 80. endless, 81. conspiracy

82. 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
83. the so__r system
adj. of, from, or relating to the sun
84. path of des_____on
n. the act of causing so much damage to something
85. im___e tariffs
v. to officially force a new law, tax, duty, etc. to be obeyed or received
86. awe_____ing power
adj. making you feel great respect or admiration through being impressive or formidable
87. an in_____le asset
adj. impossible or nearly impossible to see
88. 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
89. a ga___y of famous actors
n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
90. ex___d agricultural output
v. to increase or to make something greater in size, number, or importance
91. oasis in the de___t
n. arid land with little or no vegetation often covered with sand or rocks
92. ele_____tic properties
adj. of or relating to the magnetism produced by electric charge in motion
93. fo_____nts in the snow
n. a mark of a foot, shoe, or animal's foot left on a surface

ANSWERS: 82. mass, 83. solar, 84. destruction, 85. impose, 86. awe-inspiring, 87. invisible, 88. hawk, 89. galaxy, 90. expand, 91. desert, 92. electromagnetic, 93. footprint

94. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
95. space obs_____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
96. obl_____te data *v.* to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory
97. human ev_____on *n.* a gradual process of transformation of living things
98. flour made from gr__n *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
99. the antiparticle of a qu__k *n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
100. ho__r our ancestors *n.* high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
101. t__m with activity *v.* to be abuzz; to move in large numbers; to fall heavily
102. laws of qu_____m mechanics *n.* the smallest amount or unit of something, especially (electromagnetic) energy

ANSWERS: 94. harvest, 95. observatory, 96. obliterate, 97. evolution, 98. grain, 99. quark, 100. honor, 101. teem, 102. quantum

103. se____te video into chapter *v.* to force, take, or pull apart; mark as different
104. cast pi____l eyes *adj.* making people feel sorrow or sympathy; very small or poor
105. obs____le change *adj.* that can be noticed or seen
106. g__e steadily at his face *v.* to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else
107. ev____on theory *n.* a gradual process of transformation of living things
108. the evidence of the pr____ce *n.* the fact or state that someone or something exists, occurs, or is present
109. ele____tic radiation *adj.* of or relating to the magnetism produced by electric charge in motion
110. ext____te the results *v.* to guess or think about what might happen or estimate something using the facts that you have now
111. 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
112. enter on the last ph__e *n.* any stage in a series of events, change, or development
113. 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

ANSWERS: 103. separate, 104. pitiful, 105. observable, 106. gaze, 107. evolution, 108. presence, 109. electromagnetic, 110. extrapolate, 111. universe, 112. phase, 113. mass

114. crossword pu___e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
115. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
116. womanly ho__r *n.* high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
117. campaign now un_____ay *adj.* having started and currently in progress
118. d__l sight *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
119. ha___r a resentment *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession
120. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
121. a p__e complexion *adj.* having skin that is very light colored; lacking in vitality or interest or effectiveness
122. laws of ph_____s *n.* the science of matter and energy and their interactions
123. mi_____le letters *adj.* extremely small; tiny

ANSWERS: 114. puzzle, 115. combine, 116. honor, 117. underway, 118. dull, 119. harbor, 120. bang, 121. pale, 122. physics, 123. minuscule

124. a fr____onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
125. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
126. sh___k with fear *v.* to become smaller, or to make something smaller in size or amount
127. resident al__ns *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
128. una_____ed e-mail *adj.* not responded to or explained
129. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
130. de___t basin *n.* arid land with little or no vegetation often covered with sand or rocks
131. a con_____ng victory *adj.* able to make someone believe that something is true
132. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
133. pa_____id about issues *adj.* unreasonably or obsessively believing that other people do not like you or want to harm you
134. the concept of the mul_____se *n.* a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them

ANSWERS: 124. fraction, 125. represent, 126. shrink, 127. alien, 128. unanswered, 129. intelligence, 130. desert, 131. convincing, 132. particle, 133. paranoid, 134. multiverse

135. the fo_____nts of an earlier civilization
n. a mark of a foot, shoe, or animal's foot left on a surface
136. ho_____h of quiet diplomacy
n. an idea, behavior, argument, etc., that you think is stupid and unacceptable
137. a space-time co_____um
n. a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts
138. acc_____te the car
v. to make something faster or earlier; to cause to develop or progress more quickly
139. in_____le stars
adj. impossible or nearly impossible to see
140. answer co_____ss questions
adj. too numerous to be counted or very many
141. a fl__h of lightning
n. a sudden intense burst of radiant energy; a momentary brightness
142. his majestic pr_____ce
n. the fact or state that someone or something exists, occurs, or is present
143. a sp_____us room
adj. (especially of a room or building) very large and plenty of space
144. awe_____ing painting
adj. making you feel great respect or admiration through being impressive or formidable
145. ne_____no capture
n. a very small and electrically neutral particle with a very small mass that rarely reacts with other matter
146. chaotic env_____nt
n. the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 135. footprint, 136. hogwash, 137. continuum, 138. accelerate, 139. invisible, 140. countless, 141. flash, 142. presence, 143. spacious, 144. awe-inspiring, 145. neutrino, 146. environment

147. injury in a car ac_____nt *n.* an unfortunate event, especially one causing damage or injury
148. in_____ct with one another *v.* to communicate or react with somebody
149. negative in_____ty *n.* the state or quality of having no end or limit; (mathematics) a number greater than any natural number
150. digital sup_____nce *n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
151. my in_____te affairs *adj.* having a very close friendship, personal
152. pa_____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
153. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
154. in_____et a graph *v.* to explain or assign the meaning of information, actions, etc.
155. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
156. the runner's p__e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
157. sh___k the tumor *v.* to become smaller, or to make something smaller in size or amount

ANSWERS: 147. accident, 148. interact, 149. infinity, 150. superintelligence, 151. intimate, 152. parallel, 153. experiment, 154. interpret, 155. philosophy, 156. pace, 157. shrink

158. fairly ty____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
159. charged pa____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
160. fine m__t *n.* a cloud of very small drops of water collecting in the air just above the ground or water
161. photo in gl____us color *adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor
162. mic____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
163. pos____ty of a major earthquake *n.* a chance that something may happen or be true
164. pos____ty for growth *n.* a chance that something may happen or be true
165. alien sp____ip *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
166. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
167. a h__y man *adj.* of or related to a god, divine power, or a particular religion
168. un____o a decrease *v.* to go through something unpleasant or that involves a change
169. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

ANSWERS: 158. typical, 159. particle, 160. mist, 161. glorious, 162. microscopic, 163. possibility, 164. possibility, 165. spaceship, 166. brain, 167. holy, 168. undergo, 169. brain

170. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
171. pr____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
172. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
173. cl___y robot *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
174. optical il____on *n.* a false idea or belief, especially about somebody or about a situation
175. retie the st___g and make it strong *n.* long, thin material used for tying things together, composed of several twisted threads
176. 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
177. domestic com____or *n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business
178. at your own p__e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
179. t__m down *v.* to be abuzz; to move in large numbers; to fall heavily

ANSWERS: 170. cycle, 171. predict, 172. dive, 173. clunky, 174. illusion, 175. string, 176. planet, 177. competitor, 178. pace, 179. teem

180. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
181. in st___t secrecy *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
182. sterile ne____nos *n.* a very small and electrically neutral particle with a very small mass that rarely reacts with other matter
183. elliptic ga___y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
184. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
185. in_____te appetite *adj.* unlimited or very great; impossible to measure
186. det_____le by the human ear *adj.* capable of being discovered or identified
187. an int_____nt person *adj.* having the capacity for thought and reason, especially to a high degree
188. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
189. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
190. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
191. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

ANSWERS: 180. cycle, 181. strict, 182. neutrino, 183. galaxy, 184. incredibly, 185. infinite, 186. detectable, 187. intelligent, 188. experiment, 189. giant, 190. accelerate, 191. parallel

192. my___c teaching *adj.* having spiritual powers or qualities that are beyond ordinary understanding; (noun) someone who believes in the existence of realities beyond human comprehension
193. Fourier spe_____ope *n.* an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)
194. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
195. p__e pink *adj.* having skin that is very light colored; lacking in vitality or interest or effectiveness
196. a pi_____l fate *adj.* making people feel sorrow or sympathy; very small or poor
197. artificial sup_____nce *n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
198. just getting un_____ay *adj.* having started and currently in progress
199. cause an ac_____nt *n.* an unfortunate event, especially one causing damage or injury
200. a facial wr_____e *n.* a small line or fold in something, especially fabric or the skin of the face; a minor difficulty
201. im_____ry number *adj.* existing only in someone's mind

ANSWERS: 192. mystic, 193. spectroscope, 194. amazing, 195. pale, 196. pitiful, 197. superintelligence, 198. underway, 199. accident, 200. wrinkle, 201. imaginary

202. Peruvian ar____cts *n.* a person-made object, especially one of historical or cultural interest
203. a gr__n of sand *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
204. pr____n conductivity *n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
205. mic____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
206. al__n fungi *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
207. a so__r eclipse *adj.* of, from, or relating to the sun
208. he confessed dra____lly *adv.* in a very impressive manner
209. on a qu__t for happiness *n.* a long or challenging search for something
210. ri__e me a riddle *n.* a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game
211. medieval my__c *adj.* having spiritual powers or qualities that are beyond ordinary understanding; (noun) someone who believes in the existence of realities beyond human comprehension

ANSWERS: 202. artifact, 203. grain, 204. proton, 205. microscopic, 206. alien, 207. solar, 208. dramatically, 209. quest, 210. riddle, 211. mystic

212. a cr__y scheme *adj.* stupid or not sensible; very angry
213. solve the ri___e *n.* a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game
214. in_____et the question *v.* to explain or assign the meaning of information, actions, etc.
215. major paradigm sh__t *n.* a slight transition in position, direction, or trend
216. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
217. in___t biology *n.* any small creature that has six legs and a body divided into three sections
218. neutral hydrogen a__ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
219. v__y directly with the price *v.* to become different in terms of size, shape, etc.
220. co_____us effort *adj.* being aware of and able to respond to what is happening around you
221. honor gr_____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
222. beam of el_____ons *n.* a tiny particle with the negative electrical charge
223. mathematical pu___e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

ANSWERS: 212. crazy, 213. riddle, 214. interpret, 215. shift, 216. dramatically, 217. insect, 218. atom, 219. vary, 220. conscious, 221. graduate, 222. electron, 223. puzzle

224. add to the ed____e of knowledge *n.* a large and imposing building
225. no do__t about the news *n.* a feeling of being uncertain about something, especially about how good or accurate it is
226. co_____ss hours *adj.* too numerous to be counted or very many
227. probabilistic qu____m theory *n.* the smallest amount or unit of something, especially (electromagnetic) energy
228. sp____us country *adj.* (especially of a room or building) very large and plenty of space
229. una_____ed love *adj.* not responded to or explained
230. infrared spe_____ope *n.* an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)
231. a h__y shrine *adj.* of or related to a god, divine power, or a particular religion
232. st____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
233. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
234. st____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking

ANSWERS: 224. edifice, 225. doubt, 226. countless, 227. quantum, 228. spacious, 229. unanswered, 230. spectroscope, 231. holy, 232. stretch, 233. telescope, 234. stretch

235. sp__n in spring *v.* to lay eggs or to produce offspring; to cause something to develop
236. nuclear ph____s *n.* the science of matter and energy and their interactions
237. thousands of in____nt people *adj.* not guilty of a crime, offense, etc.; not having an evil mind or knowledge
238. obl____te all traces *v.* to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory
239. brilliant fl__h *n.* a sudden intense burst of radiant energy; a momentary brightness
240. im___e harsher sanctions *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
241. cultural pa____gm *n.* a standard or typical example of something; a pattern or model
242. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
243. dispel do__ts *n.* a feeling of being uncertain about something, especially about how good or accurate it is
244. ty____l leader *adj.* having the usual characteristics or traits of a specific group of things
245. a sacred ed____e *n.* a large and imposing building
246. two-ph__e structure *n.* any stage in a series of events, change, or development
247. m__t in the morning *n.* a cloud of very small drops of water collecting in the air just above the ground or water

ANSWERS: 235. spawn, 236. physics, 237. innocent, 238. obliterate, 239. flash, 240. impose, 241. paradigm, 242. insect, 243. doubt, 244. typical, 245. edifice, 246. phase, 247. mist

248. feel a pi_____ck sensation *n.* a very small hole in something, especially made by a pin or needle; a minor annoyance
249. in_____ct directly with customers *v.* to communicate or react with somebody
250. mi_____le amount *adj.* extremely small; tiny
251. tense piano st_____gs *n.* long, thin material used for tying things together, composed of several twisted threads
252. flow of el_____ons *n.* a tiny particle with the negative electrical charge
253. en_____s hours *adj.* having no end or conclusion; infinitely very large in size or amount
254. we are non_____ss confident *adv.* in spite of what has just been said or done; nevertheless
255. eff_____ly combined *adv.* in a way that produces maximum output with minimum effort or expense
256. worst ima_____le case *adj.* capable of being imagined
257. develop software more eff_____ly *adv.* in a way that produces maximum output with minimum effort or expense
258. an in_____nt child *adj.* not guilty of a crime, offense, etc.; not having an evil mind or knowledge
259. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
260. g__e absently out a window *v.* to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else

ANSWERS: 248. pinprick, 249. interact, 250. minuscule, 251. string, 252. electron, 253. endless, 254. nonetheless, 255. efficiently, 256. imaginable, 257. efficiently, 258. innocent, 259. sophisticated, 260. gaze

261. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
262. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
263. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
264. pr____n decay *n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
265. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
266. nan_____nd laser pulse *n.* one thousand millionth or billionth (= 0.000,000,001) of a second
267. major pa_____gm shift *n.* a standard or typical example of something; a pattern or model
268. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
269. co_____e augmented reality *v.* to join or merge to form a single thing or group
270. di_____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
271. a barely det_____le change *adj.* capable of being discovered or identified

ANSWERS: 261. intelligent, 262. intelligence, 263. sophisticated, 264. proton, 265. telescope, 266. nanosecond, 267. paradigm, 268. environment, 269. combine, 270. distant, 271. detectable

272. del_____ely amateurish *adv.* done in an intentional or slow and careful manner
273. cyclonic des_____on *n.* the act of causing so much damage to something
274. st___t compliance regime *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
275. complete ho_____h *n.* an idea, behavior, argument, etc., that you think is stupid and unacceptable
276. ex_____ng football player *adj.* causing a lot of interest or excitement
277. ex_____ng news *adj.* causing a lot of interest or excitement
278. a sp_____ip to survey the moon *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

ANSWERS: 272. deliberately, 273. destruction, 274. strict, 275. hogwash, 276. exciting, 277. exciting, 278. spaceship

Session 3: Fill in the Blanks

1. That investor saw an _____ of possibilities in this company.
n. the state or quality of having no end or limit; (mathematics) a number greater than any natural number

2. _____ is the start, not the end, of intelligence.
n. a feeling of being uncertain about something, especially about how good or accurate it is

3. X-rays revealed a small tumor in his _____.
n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

4. The salmon swims upstream to _____ in the place they were released.
v. to lay eggs or to produce offspring; to cause something to develop

5. Our life is a _____ of experience in which events pass from the future through the present to the past.
n. a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts

6. Inspectors noticed _____ cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

7. He walked a road _____ to the railroad.
adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

ANSWERS: 1. infinity, 2. Doubt, 3. brain, 4. spawn, 5. continuum, 6. microscopic, 7. parallel

8. He could no longer tell the difference between _____ and reality.
n. a false idea or belief, especially about somebody or about a situation
9. The city is famous for its magnificent _____.
n. a large and imposing building
10. _____ panels have greatly improved not only in performance but also in durability.
adj. of, from, or relating to the sun
11. They hope to _____ their business worldwide.
v. to increase or to make something greater in size, number, or importance
12. In terms of _____ he was head and shoulders above his classmates.
n. the ability to learn, comprehend, or make judgments or conclusions based on reasons
13. He felt a _____ of disgust.
n. a very small hole in something, especially made by a pin or needle; a minor annoyance
14. They gathered to hear the _____ teachings of the guru.
adj. of or related to a god, divine power, or a particular religion
15. The _____ remains mysterious to us.
n. a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game
16. He became _____ that he was being followed.
adj. being aware of and able to respond to what is happening around you

ANSWERS: 8. illusion, 9. edifice, 10. Solar, 11. expand, 12. intelligence, 13. pinprick, 14. holy, 15. riddle, 16. conscious

17. Life expectancy has grown _____ this century.

adv. in a very impressive manner

18. During _____ farmers are incredibly busy.

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

19. We choose transportation that has a smaller carbon _____.

n. a mark of a foot, shoe, or animal's foot left on a surface

20. Could you help me _____ some furniture?

n. a slight transition in position, direction, or trend

21. 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

22. The object is _____ at ultraviolet wavelengths.

adj. capable of being discovered or identified

23. These _____ are more prevalent above a certain latitude.

n. any small creature that has six legs and a body divided into three sections

24. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

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

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

ANSWERS: 17. dramatically, 18. harvest, 19. footprint, 20. shift, 21. hawk, 22. detectable, 23. insects, 24. physics, 25. flee

26. I found her assertion pretty _____.

adj. able to make someone believe that something is true

27. The moment the glacier collapses is an _____ sight.

adj. making you feel great respect or admiration through being impressive or formidable

28. This project has been _____ for several years.

adj. having started and currently in progress

29. We can resolve support requests quickly and _____ by utilization of AI.

adv. in a way that produces maximum output with minimum effort or expense

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

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

31. This shirt will _____ in the wash.

v. to become smaller, or to make something smaller in size or amount

32. The various universes within the _____ are sometimes called parallel universes.

n. a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them

33. An X-ray _____ can determine the composition of the elements in a sample.

n. an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

ANSWERS: 26. convincing, 27. awe-inspiring, 28. underway, 29. efficiently, 30. predict, 31. shrink, 32. multiverse, 33. spectroscope

34. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
35. Maximum heart rates _____ a lot for each individual.
v. to become different in terms of size, shape, etc.
36. Some herds have been observed to _____ hundreds of kilometers.
v. to make or be capable of making anything longer or broader without hurting or breaking
37. The era of the industrial revolution was a crucial _____ of history.
n. any stage in a series of events, change, or development
38. The sun set over the crest of _____ hills.
adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship
39. He looked out the window at the _____ stream of people.
adj. having no end or conclusion; infinitely very large in size or amount
40. He is interested in the _____ rites of that religion.
adj. having spiritual powers or qualities that are beyond ordinary understanding;
(noun) someone who believes in the existence of realities beyond human comprehension
41. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
42. This media has long been criticized for spreading paranoid _____.
n. an idea, behavior, argument, etc., that you think is stupid and unacceptable

ANSWERS: 34. experiments, 35. vary, 36. stretch, 37. phase, 38. distant, 39. endless, 40. mystic, 41. ultimate, 42. hogwash

43. Any theorem relies on both _____ fact and assumption.

adj. that can be noticed or seen

44. The tsunami swamped every boat in the _____.

n. an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

45. The gap between the company and its _____ has widened.

n. a person who participates in a sporting contest; a person or organization that competes with others, particularly in business

46. 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

47. There was a _____ of silence about illegal police interrogation.

n. a secret agreement between two or more people to perform something harmful or illegal

48. Marketing strategies are growing more _____.

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

49. He postulated a completely different _____ to explain all these phenomena.

n. a standard or typical example of something; a pattern or model

50. He _____ misleads others.

adv. done in an intentional or slow and careful manner

ANSWERS: 43. observable, 44. harbor, 45. competitors, 46. galaxy, 47. conspiracy, 48. sophisticated, 49. paradigm, 50. deliberately

51. The city _____ with traffic on holiday.

v. to be abuzz; to move in large numbers; to fall heavily

52. Overall _____ are approximately 400x200mm.

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

53. This ore emits _____ quantities of radiation

adj. extremely small; tiny

54. We heard their _____ laments throughout the night.

adj. making people feel sorrow or sympathy; very small or poor

55. The findings of the experiment were both _____ and unexpected.

adj. causing a lot of interest or excitement

56. The _____ partially destroyed my vehicle.

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

57. The paradox _____ most philosophers.

v. to bewilder or perplex someone completely and to be unable to understand or explain something

58. I choose a _____ death rather than a shameful life.

adj. having or deserving great admiration, praise, and honor; having great beauty and splendor

59. This region is predominantly _____.

n. arid land with little or no vegetation often covered with sand or rocks

ANSWERS: 51. teems, 52. dimensions, 53. minuscule, 54. pitiful, 55. exciting, 56. accident, 57. baffled, 58. glorious, 59. desert

60. The trade is _____ right now due to the collapse of the prominent investment bank.
adj. not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
61. The problem with achievement tests is the narrowness they _____ on students.
v. to officially force a new law, tax, duty, etc. to be obeyed or received
62. They gazed blankly at the _____ skies.
adj. (especially of a room or building) very large and plenty of space
63. The sun has risen, and the _____ has faded.
n. a cloud of very small drops of water collecting in the air just above the ground or water
64. 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
65. My husband was found _____ of any crime.
adj. not guilty of a crime, offense, etc.; not having an evil mind or knowledge
66. Too _____ a regulation for the private sector will stifle innovation.
adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
67. She wore a _____ of pearls around her neck.
n. long, thin material used for tying things together, composed of several twisted threads

ANSWERS: 60. dull, 61. impose, 62. spacious, 63. mist, 64. universe, 65. innocent, 66. strict, 67. string

68. The Big Bang theory states that _____ plasma filled the entire universe before matter as we know it was created.
- n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
69. Little children tend to have _____ friends.
- adj.* existing only in someone's mind
70. Don't _____ your mosquito bites.
- v.* to cut or damage the surface of something or the skin with a sharp or pointed object
71. 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
72. His hypothesis concerns the role of an _____ field in human health.
- adj.* of or relating to the magnetism produced by electric charge in motion
73. We need to _____ the aspect of his personality from the part of his competence when making an investment decision.
- v.* to force, take, or pull apart; mark as different
74. We elected him to _____ us at the international conference.
- v.* to speak, act, or be present on behalf of another person or group; to form or constitute
75. Big techs are now eager to develop _____ computers.
- n.* the smallest amount or unit of something, especially (electromagnetic) energy

ANSWERS: 68. quark-gluon, 69. imaginary, 70. scratch, 71. telescope, 72. electromagnetic, 73. separate, 74. represent, 75. quantum

76. This artwork is _____ of her work.

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

77. 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

78. Several cities are experiencing _____ high unemployment rates.

adv. in a way that is very difficult to believe; exceedingly or extremely

79. I claim on my _____ that it is true.

n. high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone

80. They carefully executed the well-planned _____ they had prepared over the years.

n. an organized and often large-scale plan or arrangement for doing something

81. She _____ her husband for many years.

v. to live longer than another person

82. One light year is nearly 6 _____ miles.

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

83. Consumption of vegetables may aid in the prevention of _____ cancer.

n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

ANSWERS: 76. typical, 77. extrapolates, 78. incredibly, 79. honor, 80. scheme, 81. outlived, 82. trillion, 83. colon

84. That astronomical _____ stands at the top of the mountain.
n. a building designed and equipped to observe the planets, the stars, the weather, etc.
85. The train has to _____ rigorous safety checks.
v. to go through something unpleasant or that involves a change
86. This laboratory has a pool consisting of thousands of _____ detectors.
n. a very small and electrically neutral particle with a very small mass that rarely reacts with other matter
87. This suit is made of _____ material.
n. a small line or fold in something, especially fabric or the skin of the face; a minor difficulty
88. Refined character portrayal makes up for _____ gameplay.
adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
89. She turned _____ when she heard the news.
adj. having skin that is very light colored; lacking in vitality or interest or effectiveness
90. The processor performs calculations on the _____ timescale.
n. one thousand millionth or billionth (= 0.000,000,001) of a second
91. The solar wind is composed almost entirely of electrons and _____.
n. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

ANSWERS: 84. observatory, 85. undergo, 86. neutrino, 87. wrinkle-proof, 88. clunky, 89. pale, 90. nanosecond, 91. protons

92. The economy is growing at a supercharged _____.
n. the speed at which someone or something moves, or the rate at which something happens or changes
93. The government tried to _____ the commercialization of this development.
v. to make something faster or earlier; to cause to develop or progress more quickly
94. The phenomenon is _____ at optical wavelengths.
adj. impossible or nearly impossible to see
95. A ____ audience viewed the broadcast.
adj. enormous in size, number, amount, or quantity
96. Ethics is a branch of _____.
n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
97. 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
98. Hydrogen and oxygen _____ to form water.
v. to join or merge to form a single thing or group
99. The outermost electron shell of an ____ determines its chemical characteristics.
n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 92. pace, 93. accelerate, 94. invisible, 95. vast, 96. philosophy, 97. particles, 98. combine, 99. atom

100. They launched a crewless _____ into space.

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

101. In junior high school, we had to dissect a frog in _____ class.

n. the scientific study of life and the natural processes of living things

102. The accident at that nuclear power plant _____ the local ecosystem.

v. to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory

103. This jigsaw _____ is challenging because there are no pictures.

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

104. Different people might _____ this news differently.

v. to explain or assign the meaning of information, actions, etc.

105. These descriptions are based on a number of _____ assumptions.

adj. amounting to a large indefinite number

106. The sperm whale can _____ to 1,000 meters.

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

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

n. a tiny particle with the negative electrical charge

ANSWERS: 100. spaceship, 101. biology, 102. obliterated, 103. puzzle, 104. interpret, 105. numerous, 106. dive, 107. electron

108. We destroyed a _____ of 70 enemy ships.

n. a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast

109. 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

110. He should _____ more with his colleagues.

v. to communicate or react with somebody

111. 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

112. These heavy rains caused _____ floods on several islands.

n. a sudden intense burst of radiant energy; a momentary brightness

113. Einstein was an outstanding and famous _____ of the 20th century.

n. a scientist who specializes in the field of physics

114. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

115. Ordinary air purifiers cannot adequately remove pollen _____.

n. wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance

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

adj. unlimited or very great; impossible to measure

ANSWERS: 108. fleet, 109. mass, 110. interact, 111. bang, 112. flash, 113. physicist, 114. crazy, 115. grains, 116. infinite

117. The path to a solid online _____ necessitates a high technical ability.

n. the fact or state that someone or something exists, occurs, or is present

118. The _____ jets gradually dominate the world's airlines.

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

119. A _____ person may have delusions that people want to harm.

adj. unreasonably or obsessively believing that other people do not like you or want to harm you

120. The museum has a vast collection of Greek _____.

n. a person-made object, especially one of historical or cultural interest

121. He has an _____ knowledge of American history.

adj. having a very close friendship, personal

122. 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

123. Every human is responsible for taking care of the Earth's _____.

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

124. Many employers hire _____ trainees to train as managers.

n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

125. _____ species have drastically altered the ecosystem in this area.

n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

ANSWERS: 117. presence, 118. giant, 119. paranoid, 120. artifacts, 121. intimate, 122. planet, 123. environment, 124. graduate, 125. Alien

126. _____ robots that can cooperate with humans have limited motor output for safety.

adj. having the capacity for thought and reason, especially to a high degree

127. The golfer recorded an _____ distance.

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

128. The extinction of several subspecies has been linked to climate change and habitat _____.

n. the act of causing so much damage to something

129. The _____ of getting the disease will drastically increase.

n. a chance that something may happen or be true

130. They study the _____ of the universe.

n. a gradual process of transformation of living things

131. There are _____ methods for dealing with stress.

adj. too numerous to be counted or very many

132. The food chain causes a material _____.

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

133. He spent only a _____ of his earnings.

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

134. That adventurer traveled in _____ of buried treasure.

n. a long or challenging search for something

ANSWERS: 126. Intelligent, 127. amazing, 128. destruction, 129. possibility, 130. evolution, 131. countless, 132. cycle, 133. fraction, 134. quest

135. They each choose _____ to battle.

adv. in spite of what has just been said or done; nevertheless

136. Pardon me for leaving some of your questions _____.

adj. not responded to or explained

137. The youngster was _____ at by the beast.

v. to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else

138. He is looking for evidence of the existence of _____ from cosmic signals.

n. a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind

139. This is the only _____ strategy.

adj. capable of being imagined

ANSWERS: 135. nonetheless, 136. unanswered, 137. gazed, 138. superintelligence, 139. imaginable