

## 220+ Science Trivia Questions and Answers

**Question:** What was the first vaccine for?

**Answer:** Smallpox

**Question:** What units is electric resistance typically measured in?

**Answer:** Ohms

**Question:** How many bones can be found in a giraffe's neck?

**Answer:** Seven

**Question:** The gaps between nerve cells are called what?

**Answer:** Synapses

**Question:** The Japanese word "sakura" means the blossoming of what kind of tree?

**Answer:** Cherry tree

**Question:** Atoms of the same chemical element but with different atomic masses are known as what?

**Answer:** Isotopes

**Question:** Water is made up of what two elements in the periodic table?

**Answer:** Hydrogen and oxygen

**Question:** What causes the moon to shine?

**Answer:** The reflection from the sunlight

**Question:** What part of the human brain controls hunger?

**Answer:** Hypothalamus

**Question:** What instrument is used for accurately measuring small amounts of liquid?

**Answer:** Pipette

**Question:** Which blood type is the rarest?

**Answer:** AB-

**Question:** What is the scientific word for pull or push?

**Answer:** Force

**Question:** The smallest bones in the human body are located where?

**Answer:** The ear

**Question:** Syncope is the medical name for what condition?

**Answer:** Fainting

**Question:** Ganymede is a moon that is found in which planet?

**Answer:** Jupiter

**Question:** What is the name of the first artificial satellite?

**Answer:** The first artificial satellite was Sputnik 1, launched by the Soviet Union in 1957

**Question:** About how old is Earth?

**Answer:** No one knows, only God knows

**Question:** What is the heaviest element on the periodic table?

**Answer:** The heaviest element on the periodic table is uranium.

**Question:** What number on the Richter scale does an earthquake have to reach to be considered major?

**Answer:** 7

**Question:** What part of the brain is responsible for vision?

**Answer:** Occipital

**Question:** Around what percentage of animal species are invertebrates?

**Answer:** 95%

**Question:** The calm center part of a hurricane is called what?

**Answer:** The Eye

**Question:** The metamorphism of what rock forms marble?

**Answer:** Limestone

**Question:** The splitting of atomic nuclei is called what?

**Answer:** Nuclear Fission

**Question:** What is the chemical structure of magnesium sulfate?

**Answer:** MgSO<sub>4</sub>

**Question:** Who was the first man to see bacteria?

**Answer:** Antony Leeuwenhoek

**Question:** The sticky part of the pistil is called what?

**Answer:** Stigma

**Question:** What layer of the Earth is right below the crust?

**Answer:** Mantle

**Question:** How many elements are there in the periodic table?

**Answer:** 118

**Question:** How many bones do sharks have?

**Answer:** They have no bones

**Question:** What is the earth's primary source of energy?

**Answer:** The sun

**Question:** What gas is important so that we can breath?

**Answer:** Oxygen

**Question:** What are the four states of matter?

**Answer:** Solid, liquid, gas, plasma

**Question:** What is the main structural molecule in hair and nails?

**Answer:** Keratin

**Question:** How many teeth does an adult human have?

**Answer:** An adult human has 32 teeth

**Question:** What is the galaxy closest in light-years to the Milky Way Galaxy discovered so far?

**Answer:** Andromeda

**Question:** What do bees collect and use to create honey?

**Answer:** Nectar

**Question:** Which form of energy can we see with the naked eye?

**Answer:** Light

**Question:** True or false: Sound travels faster in air than in water.

**Answer:** False

**Question:** Which planet spins the fastest, completing one whole rotation in just 10 hours?

**Answer:** Jupiter

**Question:** True or false: Chloroplasts can be found in animal cells.

**Answer:** False

**Question:** At what temperature is Fahrenheit equal to Centigrade?

**Answer:** -40 degrees

**Question:** What ongoing process allows water to be constantly recycled?

**Answer:** Water Cycle

**Question:** What is the freezing temperature of water?

**Answer:** The freezing temperature of water is 32 degrees Fahrenheit (0 degrees Celsius)

**Question:** Which specific organ in the body causes diabetes to develop?

**Answer:** Pancreas

**Question:** What type of bond involves the sharing of electron pairs between different atoms?

**Answer:** Covalent

**Question:** A scientist who specializes in the study of cells is called what?

**Answer:** Cytologist

**Question:** What is the name of the world's largest reef?

**Answer:** Great Barrier Reef

**Question:** What animal is the closest living relative of a human?

**Answer:** Chimps and bonobos

**Question:** What is the only planet in our solar system less dense than water?

**Answer:** Saturn

**Question:** What part of the brain deals with hearing and language?

**Answer:** Temporal lobe

**Question:** Bronze is an alloy consisting primarily of what two elements?

**Answer:** Copper and Tin

**Question:** Olympus Mons is a large volcanic mountain on which planet?

**Answer:** Mars

**Question:** How many chambers make up the human heart?

**Answer:** Four

**Question:** Mechanical engineer Wilhelm Conrad Roentgen was from what country?

**Answer:** Germany

**Question:** What is it called when you make light change direction by passing it through a lens?

**Answer:** Refraction

**Question:** Which two elements on the periodic table are liquids at room temperature?

**Answer:** Mercury and Bromine

**Question:** Electric current is measured using what device?

**Answer:** Ammeter

**Question:** What is the first phase of mitosis?

**Answer:** Interphase

**Question:** What is the shape of DNA known as?

**Answer:** A double helix

**Question:** What is the distance between the moon and earth?

**Answer:** 238,900 miles

**Question:** Apatosaurus is also widely known by what other name?

**Answer:** Brontosaurus

**Question:** A person who studies fossils and prehistoric life, such as dinosaurs, is known as what?

**Answer:** Paleontologist

**Question:** What is the formal name for climate studies?

**Answer:** Climatology

**Question:** What part of the human body is the axilla?

**Answer:** The armpit

**Question:** What is the name of the biggest part of the human brain?

**Answer:** The cerebrum

**Question:** What are the four primary precious metals?

**Answer:** Gold, silver, platinum, and palladium

**Question:** What is the inflammation of the liver called?

**Answer:** Hepatitis

**Question:** Who created the universe?

**Answer:** God

**Question:** What is the strongest magnet in the universe?

**Answer:** Magnetars

**Question:** What is the sun mostly made up of?

**Answer:** Hydrogen

**Question:** What gas makes up most of the atmosphere of Mars?

**Answer:** Carbon Dioxide

**Question:** What is the average life cycle of a red blood cell?

**Answer:** 120 days

**Question:** What color has the longest wavelength in the visible spectrum?

**Answer:** Red

**Question:** Penicillin is used to fight what type of infections?

**Answer:** Bacterial

**Question:** What type of bond is present in a water molecule?

**Answer:** Hydrogen Bond

**Question:** What is the scientific term for peeling skin?

**Answer:** Desquamation

**Question:** What is so reactive with water that it has to be stored in oil because it will react with the air's moisture?

**Answer:** Potassium

**Question:** Animals that eat both plants and meat are called what?

**Answer:** Omnivores

**Question:** What reaction releases energy into its surroundings?

**Answer:** Exothermic reaction

**Question:** What is the study of the interaction or relationship of living organisms to one another?

**Answer:** Ecology

**Question:** A nuclear reaction where the nucleus of an atom splits into smaller parts is known as what?

**Answer:** Nuclear fission

**Question:** What flap on your windpipe helps keep out food particles?

**Answer:** Epiglottis

**Question:** What is it called when a solid changes directly into a gas?

**Answer:** Sublimation

**Question:** What is the medical term for bad breath?

**Answer:** Halitosis

**Question:** What is the seventh planet from the Sun?

**Answer:** Uranus

**Question:** What gas makes soda bubbly?

**Answer:** Carbon Dioxide

**Question:** What gas is essential in the production of fertilizers and light bulbs?

**Answer:** Nitrogen

**Question:** What is the process of breaking down food called?

**Answer:** Digestion

**Question:** What do you count on a tree to tell how old it is?

**Answer:** It's rings

**Question:** What is the smallest named time interval?

**Answer:** Planck time

**Question:** What gives onions their distinctive smell?

**Answer:** Sulfer

**Question:** What is the long pipe's name that moves food from the back of the throat down to the stomach?

**Answer:** The esophagus

**Question:** What scientist proposed the theory of continental drift?

**Answer:** Alfred Wegener

**Question:** The movement of pollen from the anthers to a flower's stigma is known as what?

**Answer:** Pollination

**Question:** What planet is famous for its big red spot on it?

**Answer:** Jupiter

**Question:** What is the electrical charge of a neutron?

**Answer:** No charge

**Question:** Aspirin comes from the bark of what tree?

**Answer:** Willow

**Question:** What is the world's largest Hydroelectric Power Plant?

**Answer:** Three Gorges Dam

**Question:** What does the human lacrimal gland produce?

**Answer:** Tears

**Question:** What color catches the eye first?

**Answer:** Yellow

**Question:** How many vertebrae in the human spine?

**Answer:** 33

**Question:** The process of pasteurization is named after which French microbiologist?

**Answer:** Louis Pasteur

**Question:** What is the powerhouse of the cell?

**Answer:** Mitochondria

**Question:** According to Apollo astronauts, the Moon smells like what?

**Answer:** Burnt gunpowder

**Question:** What element is a diamond composed of?

**Answer:** Carbon

**Question:** What scale is used to measure the hardness of minerals?

**Answer:** Mohs scale

**Question:** Brass is an alloy of which two metals?

**Answer:** Copper and zinc

**Question:** What is the quality of an object that allows it to float on water?

**Answer:** Buoyancy

**Question:** What is the name of NASA's most famous space telescope?

**Answer:** James Webb Telescope



**Question:** Electric power is typically measured in what units?

**Answer:** Watts

**Question:** The earth has three layers that are different due to varying temperatures. What are its three layers?

**Answer:** Crust, mantle, and core

**Question:** A unit of electromotive force is called what?

**Answer:** Volt

**Question:** The small intestine is made up of jejunum, ileum, and what?

**Answer:** Duodenum

**Question:** Botulinum toxin is commonly referred to as what?

**Answer:** Botox

**Question:** What is the largest nerve in the human body?

**Answer:** Sciatic

**Question:** Frogs belong to which animal group?

**Answer:** Amphibians

**Question:** What does a conchologist collect?

**Answer:** Seashells

**Question:** What is the name of a weather instrument used to measure atmospheric pressure?

**Answer:** A barometer

**Question:** What does "SPF" mean in sunscreen?

**Answer:** Sun Protection Factor

**Question:** What was the first planet discovered with the aid of a telescope?

**Answer:** Uranus

**Question:** What does the gall bladder secrete?

**Answer:** Bile

**Question:** What disease stems from the medieval term that means 'bad air'?

**Answer:** Malaria

**Question:** Who begins food chains?

**Answer:** Producers

**Question:** What is the largest internal organ of the human body?

**Answer:** Liver

**Question:** What element did Joseph Priestley discover in 1774?

**Answer:** Oxygen

**Question:** What kind of energy does an unlit match have?

**Answer:** Chemical energy

**Question:** True or false: The graduated cylinder is a tool that's used to measure fluid volume.

**Answer:** True

**Question:** What instrument do you use to measure wind speed?

**Answer:** Anemometer

**Question:** NaCl is the chemical formula of which common substance?

**Answer:** Salt

**Question:** Specialized cells are called photoreceptors. What are the 2 types of photoreceptors in the retina called?

**Answer:** Rods and cones

**Question:** What part of the body are low-density lipoproteins most likely to clog?

**Answer:** Arteries

**Question:** What is it called when an individual doesn't offer to help someone in an emergency if there are other people present?

**Answer:** Bystander effect

**Question:** What enzyme in the human mouth helps digest carbohydrates?

**Answer:** Salivary Amylase

**Question:** What planet is circled by two moons?

**Answer:** Mars

**Question:** What is the scientific name for the job or role an organism plays in its habitat?

**Answer:** Niche

**Question:** What is another name for the SA node in the heart?

**Answer:** Pacemaker

**Question:** What is the shape of the Milky Way?

**Answer:** Spiral

**Question:** What does Earth do that causes night and day?

**Answer:** Rotates

**Question:** Optics is the study of what?

**Answer:** Light

**Question:** What sense is most closely linked to memory?

**Answer:** Smell

**Question:** What planet in our solar system has the most gravity?

**Answer:** Jupiter

**Question:** The study of human remains is called what?

**Answer:** Archaeology

**Question:** Who invented the microscope?

**Answer:** Zacharias Janssen

**Question:** What is the symbol of the element silver?

**Answer:** Ag

**Question:** What is the name of the process where plants lose water in the atmosphere?

**Answer:** Transpiration

**Question:** Which psychological concept did Pavlov's dog help him describe?

**Answer:** Conditioning

**Question:** What element is named after the Greek word for green?

**Answer:** Chlorine

**Question:** What do you call molten rock before it has erupted?

**Answer:** Magma

**Question:** What metal is the best conductor of electricity?

**Answer:** Silver

**Question:** What does the ER of a cell stand for?

**Answer:** Endoplasmic Reticulum

**Question:** What is the fourth planet from the sun?

**Answer:** Mars

**Question:** Who is the father of modern taxonomy?

**Answer:** Carolus Linnaeus

**Question:** Oncology focuses on what disease?

**Answer:** Cancer

**Question:** What is the tallest type of grass?

**Answer:** Bamboo

**Question:** How many cervical vertebrae are there in the typical human body?

**Answer:** Seven

**Question:** What is the smallest organ in the human body?

**Answer:** Pineal gland

**Question:** The Arrector Pili muscles are responsible for what phenomenon?

**Answer:** Goosebumps

**Question:** What is the fin on the backs of fish, some whales, and dolphins called?

**Answer:** Dorsal Fin

**Question:** What does 'E' represent in  $E=MC^2$ ?

**Answer:** Energy

**Question:** Who first proposed the concept of contact lenses?

**Answer:** Leonardo da Vinci

**Question:** Which of Newton's Laws states that 'for every action, there is an equal and opposite reaction?'

**Answer:** The third law of motion

**Question:** What is the name of the red pigment found in vertebrates that functions in oxygen transport?

**Answer:** Hemoglobin

**Question:** The chemistry of carbon is known as what?

**Answer:** Organic chemistry

**Question:** A magnifying glass is what type of lens?

**Answer:** Convex

**Question:** The innermost part of bones contains what?

**Answer:** Bone marrow

**Question:** In terms of engineering software, what does CAD stand for?

**Answer:** Computer-Aided Design

**Question:** What are the chewing teeth called?

**Answer:** Incisors

**Question:** What is the fattiest human organ?

**Answer:** Brain

**Question:** What is the second most abundant mineral in the human body?

**Answer:** Phosphorus

**Question:** What are the lower chambers of the human heart called?

**Answer:** Ventricles

**Question:** What is the study of plant life called?

**Answer:** Botany

**Question:** What is made by white blood cells to help fight off infection?

**Answer:** Antibodies

**Question:** What inorganic molecule is produced by lightning?

**Answer:** Ozone

**Question:** When a gas changes into a liquid, it is called what?

**Answer:** Condensation

**Question:** Who was the first person to walk on the moon?

**Answer:** Neil Armstrong

**Question:** The study of the weather is called what?

**Answer:** Meteorology

**Question:** How do you calculate density?

**Answer:** Density is mass divided by volume

**Question:** Which component of an atom might you expect to be orbiting around it?

**Answer:** Electrons

**Question:** What does the term 'PCR' stand for?

**Answer:** Polymerase chain reaction

**Question:** What is the sun?

**Answer:** A star

**Question:** What is the programmed death cell process called?

**Answer:** Apoptosis

**Question:** What is the only bone in the human body that isn't attached to another bone?

**Answer:** Hyoid bone

**Question:** What procedure known for sound navigation?

**Answer:** Sonar

**Question:** Most of a penny is made from what type of metal?

**Answer:** Zinc

**Question:** The deepest point in all of the world's oceans is named what?

**Answer:** Mariana Trench

**Question:** To any astronaut, what is an EVA?

**Answer:** Extravehicular activity

**Question:** Where on the human body are the most sweat glands?

**Answer:** Bottom of the feet

**Question:** What does 'NMR' stand for?

**Answer:** Nuclear Magnetic Resonance

**Question:** What islands were extensively studied by Charles Darwin?

**Answer:** Galapagos Islands

**Question:** What is the most malleable metal?

**Answer:** Gold

**Question:** Mycology is the scientific study of what?

**Answer:** Fungi

**Question:** Substances that don't conduct heat are known as what?

**Answer:** Insulators

**Question:** The wire inside an electric bulb is known as what?

**Answer:** Filament

**Question:** What condition is singultus?

**Answer:** Hiccups

**Question:** In terms of computing, what does CPU stand for?

**Answer:** Central Processing Unit

**Question:** What is a unit that measures force?

**Answer:** Newtons

**Question:** Who was the inventor of the first battery?

**Answer:** Alessandro Volta

**Question:** What was the first sound-recording device called?

**Answer:** Phonograph

**Question:** Which constellation are the stars Castor and Pollux in?

**Answer:** Gemini

**Question:** What type of cell division results in two four daughter cells, each with half the number of chromosomes in the parent cells?

**Answer:** Meiosis

**Question:** What is the center of an atom called?

**Answer:** The nucleus

**Question:** Between which two planets does the asteroid belt lie?

**Answer:** Jupiter and Mars

**Question:** What are the three-time periods of the dinosaurs?

**Answer:** Triassic, Jurassic, and Cretaceous

**Question:** What are the four types of adult human teeth?

**Answer:** Incisors, canines, premolars, molars

**Question:** What is the largest known land animal?

**Answer:** Elephant

**Question:** What are the muscles found in the front of the thighs are known as?

**Answer:** Quadriceps

**Question:** What is the chemical symbol for lead?

**Answer:** Pb

**Question:** What country experiences the most tornadoes?

**Answer:** United States

**Question:** What is the name of the most recent supercontinent?

**Answer:** Pangea

**Question:** A single piece of coiled DNA is known as what?

**Answer:** Chromosome

**Question:** What is the chemical symbol of gold?

**Answer:** Au

**Question:** Where is the world's most active volcano located?

**Answer:** Hawaii

**Question:** What's the study of materials at very low temperatures?

**Answer:** Cryogenics

**Question:** How long is an eon?

**Answer:** A billion years

**Question:** The process of weathered material moving due to gravity is called what?

**Answer:** Erosion

**Question:** What is another name for a tidal wave?

**Answer:** Tsunami

**Question:** Who formulated the theory of evolution in his book, *The Origin of Species*?

**Answer:** Charles Darwin

**Question:** Who split the atom?

**Answer:** Ernest Rutherford

**Question:** Which moon of Saturn has a methane cycle?

**Answer:** Titan

**Question:** What is the nearest planet to the sun?

**Answer:** Mercury



**Question:** What planet is closest in size to Earth?

**Answer:** Venus

**Question:** Someone who studies earthquakes is known as what?

**Answer:** Seismologist

**Question:** What is a Geiger Counter used to measure?

**Answer:** Radiation

**Question:** Who was the first woman in space?

**Answer:** Valentina Tereshkova