

CuriosityQuest – Joke Book

A Spark & Anvil joke book. Groan-worthy puns, tricky riddles, silly nonsense, and real fun facts from the world of CuriosityQuest – read them out loud and make someone laugh.

Why can't you trust atoms?

Because they make up everything!

How to use this book

Read a joke, pause at the question, and try to guess the answer before you read on. Best of all: read them out loud to a friend, a grown-up, or your class. A good laugh makes the tricky stuff easier – that's real science.

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Puns

Why can't you trust atoms?

💡 Because they make up everything!

What did the scientist say when she found two isotopes of helium?

💡 HeHe!

Why did the mushroom get invited to every party?

💡 Because he was a fungi!

How does the moon cut its hair?

💡 Eclipse it!

Why are chemists excellent at solving problems?

💡 Because they have all the solutions!

What do you call a sleeping dinosaur?

💡 A dino-snore!

Why did the biologist break up with the physicist?

💡 There was no chemistry between them!

What did Earth say to the other planets?

💡 "You guys have no life!"

Why did the sun go to school?

💡 To get a little brighter!

What kind of music do planets listen to?

💡 Nep-tunes!

Why do geologists make terrible comedians?

💡 Their jokes are too rocky and the punchlines always come in layers!

What did the thermometer say to the graduated cylinder?

💡 "You may have graduated, but I have more degrees!"

Why is the ocean always on time?

💡 Because it keeps up with the current!

What's a light-year's favorite excuse?

💡 "Sorry I'm late -- I was traveling at the speed of light and still needed a year!"

Why did oxygen go on a date with potassium?

💡 It went OK!

How do astronomers organize a party?

💡 They planet!

Why did the tectonic plates break up?

💡 It wasn't anyone's fault -- there was just too much friction between them!

What did the photon say when asked if it needed luggage?

💡 "No thanks, I'm traveling light!"

Why did the mitochondria feel unappreciated?

💡 Because it was the powerhouse of the cell and nobody noticed!

Why do scientists enjoy working with ammonia?

💡 Because it's pretty basic!

Riddles

I'm all around you but you can't see me. I keep you alive but I weigh almost nothing. What am I?

💡 Air! It's a mixture of gases -- mostly nitrogen and oxygen -- and it's invisible!

I fall from the sky but I'm not rain. I'm white and cold and no two of me are the same shape. What am I?

💡 A snowflake! Each one forms a unique six-sided ice crystal.

I have a head and a tail but no body. Scientists flip me to test fairness. What am I?

💡 A coin! Scientists use coin flips to understand probability and randomness.

I'm the closest star to Earth, but I'm not a star you see at night. What am I?

💡 The Sun! It's about 93 million miles away and is a medium-sized yellow dwarf star.

I can bend but I'm not flexible. I travel in a straight line but look curved in water. What am I?

💡 Light! Light refracts -- bends -- when it passes from one material to another, like air to water.

I have roots but I'm not a plant. I have a cap but I'm not a bottle. I grow in damp, dark places. What am I?

💡 A mushroom! Mushrooms are fungi, not plants -- they don't use photosynthesis.

I orbit a planet but I'm not a moon. I was made by humans and I help you find your way. What am I?

💡 A satellite! GPS satellites orbit Earth at about 20,200 km altitude.

I make rocks melt, I build mountains, and I live beneath the surface. What am I?

💡 Magma! When it reaches the surface it becomes lava, which cools into igneous rock.

You can't see me, but I hold your feet on the ground. I get weaker the farther away you go. What am I?

💡 Gravity! It's the force of attraction between objects with mass.

I change from solid to liquid to gas and back again, but I'm always the same substance. What am I?

💡 Water! It's the only common substance found naturally in all three states on Earth.

I'm a wall of air that separates two different temperatures. When I move through, the weather changes fast. What am I?

💡 A weather front! Cold fronts can bring thunderstorms, while warm fronts bring gradual change.

**I spin but I'm not a top. I can destroy buildings but I start from clouds.
What am I?**

💡 A tornado! Tornadoes form when warm, moist air meets cold, dry air, creating a rotating funnel.

I can be potential or kinetic. I can't be created or destroyed, only transformed. What am I?

💡 Energy! The law of conservation of energy says total energy in a closed system stays constant.

**I carry instructions for building a living thing. I look like a twisted ladder.
What am I?**

💡 DNA! Its double helix structure was discovered by Watson and Crick in 1953.

I'm on every planet in our solar system but only one planet has me in liquid form. What am I?

💡 An atmosphere? No -- water! Earth is the only planet with stable liquid water on its surface.

I push things apart when I'm negative-to-negative, but I pull them together when I'm opposite. What am I?

💡 Electric charge! Like charges repel and opposite charges attract.

I travel at 343 meters per second in air, but I can't travel through a vacuum at all. What am I?

💡 Sound! Sound needs a medium to travel through -- that's why space is silent.

I have a nucleus surrounded by a cloud of tiny particles. I'm too small to see, but everything is made of me. What am I?

💡 An atom! The nucleus contains protons and neutrons, and electrons orbit around it.

I make your voice echo, your image appear in a mirror, and a rubber ball bounce back. What property am I?

💡 Reflection! Sound waves, light waves, and objects can all reflect off surfaces.

I'm not alive, but I grow. I don't have lungs, but I need oxygen. I don't have a mouth, but water kills me. What am I?

💡 Fire! Combustion requires fuel, heat, and oxygen -- the fire triangle.

Silly Stuff

Imagine if gravity took a vacation for one hour. – Your cereal would float out of the bowl, your dog would drift to the ceiling, and the ocean would just... leave. Scientists estimate everything not bolted down would start floating at about 0.3 m/s. Gravity doesn't get vacation days for a reason.

A scientist trained a parrot to repeat the scientific method. – Now the parrot screams "HYPOTHESIS!" every time someone guesses what's for dinner. The peer review process in that household is intense.

What if clouds were solid and you could bounce on them? – Bad news: clouds are made of tiny water droplets spread so thin that an average cumulus cloud weighs about 500,000 kg. You'd need a really, really big trampoline.

A kid built a volcano for the science fair that was TOO realistic. – It erupted baking soda lava onto the gym floor, set off the sprinklers, and the school newsletter called it "the most successful experiment of the year -- just not on purpose."

Imagine if animals had to fill out job applications. – The cheetah's resume just says "Fast." The sloth's says "Will complete all tasks... eventually." The octopus attached eight letters of recommendation and changed color during the interview.

What if you could hear the Sun? – The Sun is a giant ball of nuclear explosions. Astronomers calculated that if sound could travel through space, we'd hear a constant roar of about 100 decibels -- as loud as a motorcycle -- all day, every day. Sleep masks wouldn't cut it.

A student's hypothesis was "My plant will grow faster if I play music to it." – By week three, the control plant was fine. The music plant had grown two inches taller AND developed what the student swore was a preference for jazz. The teacher said "Correlation is not causation." The plant seemed to disagree.

What if Earth spun twice as fast? – Days would be 12 hours long, winds would be constantly hurricane-force near the equator, and you'd weigh slightly less because of the increased centrifugal effect. On the bright side, weekends would come twice as often.

Imagine if your body's cells held a meeting every morning. – White blood cells would give a security briefing, red blood cells would complain about oxygen delivery routes, and the brain cells would argue about whether that dream last night meant anything. The mitochondria would just keep quietly generating ATP in the back.

What if we could see all the wavelengths of light, not just visible light? – Wi-Fi routers would glow like lighthouses, your microwave would put on a light show, and the Sun would look like a disco ball of X-rays, radio waves, and everything in between. Sunglasses would need a serious upgrade.

A physicist and a biologist argued about which science was harder. – The physicist said "I model the entire universe with equations." The biologist said "I study living systems so complex that your equations cry." The chemist walked in and said "I do both, plus I get to blow things up." Nobody argued after that.

What if you could shrink down to the size of an atom? – A single raindrop would be the size of a mountain. A grain of sand would be a planet. And the space between atoms in your desk -- which looks solid -- would feel like floating in a mostly empty void. Because it is.

Imagine if Newton's third law applied to conversations. – Every time you said something, an equal and opposite statement would come back at you. "Nice weather today." "TERRIBLE WEATHER TODAY." Physics debates would be exhausting.

A student asked "If the universe is expanding, what is it expanding into?" – The teacher paused for 47 seconds, said "That's actually one of the deepest questions in cosmology," and then changed the subject to mitosis. The student was not fooled.

What if bacteria could text? – Your gut bacteria would send 38 trillion messages a day, mostly about food. The bacteria on your phone screen would just reply "We're already here." Scientists estimate there are more bacteria on your phone than on a toilet seat. Pleasant.

Fun Facts

Did you know? A teaspoon of neutron star material would weigh about 6 billion tons. – That's roughly the weight of every car on Earth -- in one tiny spoonful! Neutron stars are the densest objects in the observable universe besides black holes.

Did you know? Honey never spoils. – Archaeologists found 3,000-year-old honey in Egyptian tombs that was still perfectly edible! Honey's low moisture and acidic pH make it nearly impossible for bacteria to grow.

Did you know? Octopuses have three hearts and blue blood. – Two hearts pump blood to the gills, and one pumps it to the rest of the body. Their blood uses copper instead of iron for carrying oxygen, which turns it blue!

Did you know? The hottest planet in our solar system isn't Mercury -- it's Venus. – Even though Mercury is closest to the Sun, Venus's thick carbon dioxide atmosphere traps heat through the greenhouse effect, pushing surface temperatures to about 465 degrees Celsius.

Did you know? A bolt of lightning is five times hotter than the surface of the Sun. – Lightning can reach about 30,000 Kelvin, while the Sun's surface is around 5,800 Kelvin. The burst is so fast that the air around it expands violently -- that's thunder!

Did you know? Bananas are naturally slightly radioactive. – They contain potassium-40, a radioactive isotope. You'd need to eat about 10 million bananas at once for a lethal radiation dose, so your breakfast is perfectly safe.

Did you know? Your body contains enough iron to make a nail about 7.5 cm long. – The average adult has about 3-4 grams of iron, mostly in hemoglobin, the protein in red blood cells that carries oxygen.

Did you know? Sound travels about 4.3 times faster in water than in air. – Sound moves at about 1,480 m/s in water versus 343 m/s in air. That's because water molecules are packed closer together, making it easier to pass vibrations along.

Did you know? There are more possible arrangements of a deck of cards than atoms on Earth. – A shuffled deck has 52! (52 factorial) arrangements -- that's roughly 8×10^{67} . Earth has about 10^{50} atoms. Every properly shuffled deck is almost certainly unique in history.

Did you know? The International Space Station orbits Earth about 16 times per day. – It travels at roughly 28,000 km/h at an altitude of about 400 km. Astronauts aboard see 16 sunrises and 16 sunsets every 24 hours!

Did you know? Trees communicate through underground fungal networks. – Nicknamed the "Wood Wide Web," mycorrhizal fungi connect tree roots and allow them to share nutrients and even warn each other about insect attacks through chemical signals.

Did you know? If you removed all the empty space inside atoms, all of humanity would fit into a sugar cube. – Atoms are 99.9999999% empty space. The actual "stuff" -- protons, neutrons, electrons -- is incredibly tiny compared to the atom's total volume.

Did you know? The Voyager 1 spacecraft, launched in 1977, is now over 24 billion km from Earth and still sending data back. – Its radio signals, traveling at the speed of light, take over 22 hours to reach us. It's the most distant human-made object in existence.

Did you know? Your brain uses about 20% of your body's total energy, even though it's only about 2% of your body weight. – The brain consumes roughly 20 watts of power -- about the same as a dim light bulb -- to run 86 billion neurons.

Did you know? Water can exist as a solid, liquid, and gas all at the same time? – At exactly 0.01 degrees Celsius and 611.73 Pascals of pressure (called the "triple point"), ice, liquid water, and water vapor coexist in equilibrium.

Keep laughing

That's **70 jokes** from CuriosityQuest. Made someone laugh? Try making up your own – the best jokes are the ones you tell.

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