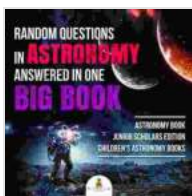


# Random Questions In Astronomy Answered In One Big Astronomy Junior Scholars

Astronomy is a vast and fascinating field of study, and there are always new questions to be asked. In this article, we'll answer some of the most common random questions about astronomy, from the basics of the universe to the latest discoveries. So sit back, relax, and enjoy learning about the wonders of the cosmos!

## What is the universe made of?

The universe is made up of about 70% dark energy, 25% dark matter, and 5% ordinary matter. Dark energy is a mysterious force that is causing the universe to expand at an accelerating rate. Dark matter is a type of matter that does not interact with light, and its existence is inferred from its gravitational effects. Ordinary matter is the matter that makes up everything we see around us, from stars and planets to people and animals.



## Random Questions in Astronomy Answered in One Big Book | Astronomy Book Junior Scholars Edition |

Children's Astronomy Books by Baby Professor

★★★★☆ 4.7 out of 5

Language : English

File size : 28025 KB

Screen Reader : Supported

Print length : 241 pages



## How old is the universe?

The universe is about 13.8 billion years old. This is based on measurements of the cosmic microwave background radiation, which is the leftover radiation from the Big Bang, the event that created the universe.

### **What is the biggest thing in the universe?**

The biggest thing in the universe is a supercluster called the Hercules-Corona Borealis Great Wall. It is about 10 billion light-years across and contains trillions of galaxies.

### **What is the smallest thing in the universe?**

The smallest thing in the universe is a subatomic particle called a quark. Quarks are the building blocks of protons and neutrons, which are the building blocks of atoms.

### **What is a black hole?**

A black hole is a region of spacetime where gravity is so strong that nothing, not even light, can escape. Black holes are formed when massive stars collapse at the end of their lives.

### **What is a supernova?**

A supernova is a powerful explosion that occurs when a massive star collapses at the end of its life. Supernovas can be so bright that they can outshine entire galaxies.

### **What is a galaxy?**

A galaxy is a large collection of stars, gas, and dust that is held together by gravity. Our galaxy, the Milky Way, is a spiral galaxy that contains about 100 billion stars.

## What is a star?

A star is a large, luminous ball of plasma that is powered by nuclear fusion. Stars come in a variety of sizes, from small red dwarfs to massive blue supergiants.

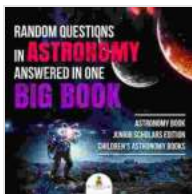
## What is a planet?

A planet is a large, round object that orbits a star. Planets are not self-luminous, and they reflect the light of the star they orbit.

## What is life?

Life is a complex and fascinating phenomenon that is still not fully understood. Life is characterized by the ability to reproduce, grow, and respond to stimuli. Life is found on Earth, but it is possible that it exists elsewhere in the universe.

These are just a few of the many random questions that can be asked about astronomy. The universe is a vast and mysterious place, and there is always something new to learn. So keep asking questions, and keep exploring the wonders of the cosmos!



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