

# Astronomy quiz with answers

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**What are some space questions and answers?**

**What is the hardest question in astronomy?**

**What questions does astronomy answer?**

**What is the hardest thing to learn in astronomy?** What's the hardest thing to explain about the universe? Neil: The hardest thing, I think by far, is how we analyze spectra — light broken up into its component colors. It's so abstract, so removed from the actual object we're studying.

**Which planet has no moon?** Mercury and Venus are the only planets in our solar system without moons (i.e. they do not have any natural satellite). Q. Which of the following planets has no atmosphere?

**What is the hottest planet?** Because of this, Venus is the hottest planet in the solar system. The surface of Venus is approximately 465°C! Fourth from the Sun, after Earth, is Mars. We have sent lots of satellites and rovers to Mars, so we have a better understanding of the temperature on the surface and how weather changes across a Martian year.

**What is the hardest planet to see?** Difficult to observe Out of the five planets known since ancient times as the 'wandering stars', Mercury is the one least explored. Unlike Venus, Mars, Jupiter and Saturn, Mercury is notoriously difficult to observe from Earth. Being the innermost planet of the Solar System, it always appears too close to the Sun.

**What is the farthest star known to science?** NASA has used the Webb space telescope to follow up on observations of the farthest star. This star – called

Earendel – emitted the light we now see some 12.9 billion years ago. So it exists in a realm of space just 900 million years after the Big Bang.

### **What is the most interesting thing in astronomy?**

**Is space flat or curved?** Most cosmological evidence points to the universe's density as being just right — the equivalent of around six protons per 1.3 cubic yards — and that it expands in every direction without curving positively or negatively. In other words, the universe is flat.

**How long do stars live?** Every star has its own life cycle, ranging from a few million to trillions of years, and its properties change as it ages.

**What are 2 facts about astronomy?** 4. If you can spot the Andromeda Galaxy with your naked eyes, you can see something 14.7 billion billion miles away. 5. The Sun is 400 times larger than the Moon, but also 400 times as far away, making both objects appear to be the same size in our sky.

### **What is the rarest thing in space?**

**What is the rarest thing known to man?** Kyawthuite, a mineral, is the rarest thing in the world. With the chemical formula  $\text{Ca}(\text{B}_3\text{O}_3(\text{OH})_5)(\text{OH})_2 \cdot \text{H}_2\text{O}$ , it is a borate mineral that was first discovered in 1953 in the Mogok region of Myanmar (formerly Burma).

**What is the rarest element in the universe?** Astatine is the rarest naturally occurring element. The total amount of astatine in the Earth's crust (quoted mass  $2.36 \times 10^{25}$  grams) is estimated by some to be less than one gram at any given time.

**What planet has 76 moons?** Jupiter Moons - NASA Science.

**Which planet has 63 moons?** Jupiter has 63 moons that we know of, and they're incredibly diverse. Most are small, rocky, inert worlds. A few are probably asteroids that were gravitationally captured when they wandered too close to Jupiter.

**Which planet is the coldest?** Uranus holds the record for the coldest temperature ever measured in the Solar System: a very chilly -224°.

**What is Earth's twin planet?** Venus is sometimes called Earth's twin because Venus and Earth are almost the same size, have about the same mass (they weigh about the same), and have a very similar composition (are made of the same material). They are also neighboring planets.

**What is the windiest planet?** Neptune is our solar system's windiest world. Despite its great distance and low energy input from the Sun, Neptune's winds can be three times stronger than Jupiter's and nine times stronger than Earth's.

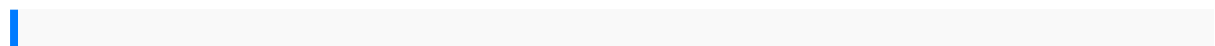
**Which is the only planet that can sustain life?** Earth is the only planet known to support life.

**What are 5 facts about space?**

**What is the biggest space question?** "Will the Universe end?" is one of the biggest, and perhaps most important, questions about the Universe. Whether the Universe will exist forever or in some way 'end' depends on its rate of expansion, the average density of matter, and the fractions of matter, dark matter and dark energy it contains.

**What are 20 facts about space?**

**What are space answers?** Space is an almost perfect vacuum, nearly void of matter and with extremely low pressure. In space, sound doesn't carry because there aren't molecules close enough together to transmit sound between them.



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