

# Astronomy test question and answers

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

**What questions does astronomy answer?**

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

**Which four letter word beginning with n is a star showing a sudden large increase in brightness then gradually returning to its original state over a period of weeks to years?** novae or novas) is a transient astronomical event that causes the sudden appearance of a bright, apparently "new" star (hence the name "nova", Latin for "new") that slowly fades over weeks or months.

**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.

**Is astronomy a lot of math?** In astronomy we use algebra, calculus, statistics and probability, but also trigonometry and logarithms to calculate things like movement, distances and even the chemical characteristics of distant stars and galaxies.

**What are 5 facts about 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.

**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 biggest question in space?** "Will the Universe end?" is one of the biggest, and perhaps most important, questions about the Universe.

**What is it called when a star gets bigger?** The Fate of Massive Stars These high-mass stars go through some of the same steps as the medium-mass stars. First, the outer layers swell out into a giant star, but even bigger, forming a red supergiant. Next, the core starts to shrink, becoming very hot and dense. Then, fusion of helium into carbon begins in the core.

**What causes a star to get bigger?** As the core collapses, the shell of plasma surrounding the core becomes hot enough to begin fusing hydrogen itself. As fusion in this shell begins, the extra heat causes the outer layers of the star to expand dramatically, and the surface extends up to several hundred times beyond the former size of the star.

**What is words largest star?** UY Scuti UY Scuti is the largest star in the Universe observed so far. The red supergiant is 1,708 times wider than our Sun, with a radius of 1.2 billion km (738 million miles). The star can be found around 9,500 light-years away from Earth in the Scutum Constellation, around the centre of the Milky Way.

**On which planet we Cannot walk?** But what if I told you that you couldn't walk on some planets at all? That's right, Jupiter, Saturn, Uranus, and Neptune are all gas

giants, which means they have no solid surface to walk on.

**Which planet Cannot be seen with eye?** As Uranus and Neptune are very far away from the Earth they are not easily visible. Telescopes are essentially required to view these two planets.

**What is the deadliest planet to humans?** (2007). Nature, Vol. 450. 0.015% 0.007% 3.5% 64% Page 2 Venus is the most dangerous planet in the solar system: its surface is at 393°C, hot enough to melt lead.

**What is astronomy math called?** an abstract representational system used in the study of numbers, shapes, structure and change and the relationships between these concepts is called mathematics. Def. the branches of mathematics used in the study of astronomy, astrophysics and cosmology is called astromathematics.

**What instrument is most commonly used to study the universe?** The key instrument of nearly all modern observational astronomy is the telescope.

**How many years does it take to become a astronomer?** Most research astronomers have doctorate degrees in physics or astronomy and also bachelor's and/or master's degrees in a physical science, usually physics or astronomy. It takes about 10 years of education beyond normal high school education to become a research astronomer.

**How cold is it in space?** The baseline temperature of outer space is 2.7 kelvins — minus 454.81 degrees Fahrenheit, or minus 270.45 degrees Celsius — meaning it is barely above absolute zero, the point at which molecular motion stops.

**Why can't you stand on Uranus?** As an ice giant, Uranus doesn't have a true surface. The planet is mostly swirling fluids. While a spacecraft would have nowhere to land on Uranus, it wouldn't be able to fly through its atmosphere unscathed either. The extreme pressures and temperatures would destroy a metal spacecraft.

**Why is space silent?** Space is a vacuum Sound is carried by atoms and molecules. In space, with no atoms or molecules to carry a sound wave, there's no sound. There's nothing to get in sound's way out in space, but there's nothing to carry it, so it doesn't travel at all.

**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.

**What is the hardest question on the planet?**

**What is the world's hardest physics question?**

**What is the hardest thing in space?** Neutron star crust is the strongest material in the universe, and a teaspoon of this superlative matter would weigh 5 tons if brought to Earth's surface.

**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 question can scientists not answer?** 1. Is the Universe Truly Infinite? Science can't really tell us yet whether the universe is infinite or finite, but researchers do have theories. When you look up on a dark night and see the uncountable stars scattered throughout the skies, it's easy to think of the universe as infinite.

**What is the most difficult astronomy questions of all?** "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 is the most powerful question in the world?** The answer is..."What do you think?" That's it. "What do you think?", is the most powerful question in the world and here's why and how you can use it during your everyday interactions. The results are amazing.

**What are the 7 biggest unanswered questions in physics?**

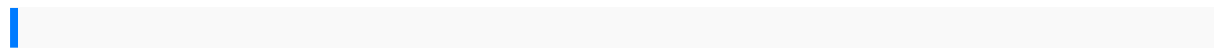
**What is the hardest subject in the universe?**

**What is a tricky science question?** Can air make shadows? Can gold be created from other elements? Can light bend around corners? Can momentum be hidden to human eyes like how kinetic energy can be hidden as heat? Can one bit of light bounce off another bit of light?

**What is the rarest thing to ever exist?** Kyawthuite, an extremely rare orange crystal, was discovered in the Mogok region of Myanmar. There are only a handful of samples worldwide.

**What is the deadliest thing in space?** Gamma-Ray Bursts A gamma-ray burst (GRB) is a brief but intense flash of gamma rays, the most energetic form of electromagnetic radiation. GRBs are thought to be caused by the collapse of massive stars into black holes, or the merger of two neutron stars or black holes.

**What is the darkest thing in the universe?** As one of the darkest materials, Vantablack has many potential applications, such as preventing stray light from entering telescopes, and improving the performance of infrared cameras both on Earth and in space. Surfaces coated with Vantablack are highly suitable for emitting and absorbing blackbody radiation.



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