

# Astronomy through practical investigations

## answers

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

**What questions does astronomy answer?**

**What does astronomy investigate?** Astronomy is the study of everything in the universe beyond Earth's atmosphere. That includes objects we can see with our naked eyes, like the Sun , the Moon , the planets, and the stars . It also includes objects we can only see with telescopes or other instruments, like faraway galaxies and tiny particles.

**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.

**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.

**Is our universe ending?** The fate of the universe may be determined by its density. The preponderance of evidence to date, based on measurements of the rate of expansion and the mass density, favors a universe that will continue to expand indefinitely, resulting in the "Big Freeze" scenario below.

**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 highest salary of an astronomer?**

**What does a real star look like?**

**What do stars look like up close?** Up close, stars look like enormous balls of brightly glowing gas, shrouded in wispy trails of glowing smoke. Imagine a huge smoky balloon with a popcorn-like texture, lit from inside, that steams and spins and occasionally burps up streams of fire.

**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 the forbidden planet in the world?** Astronomers have found an unusually large planet orbiting a small star, located about 280 light-years from Earth. The unexpected size of the newly discovered world, called TOI 5205b, has led researchers to call it the "forbidden planet."

**What is the most disturbing planet?**

**Does astronomy pay well?** Avg Salary Astronomers earn an average yearly salary of \$150,530.

**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.

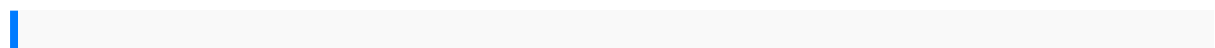
**Is astronomy as hard as physics?** The main reason my peers and I were so disgruntled about this injustice is that physics classes are noticeably much harder than astronomy classes, and those were all we really took. But professionally, the two paths aren't so different. Science functions when experiment and theory work harmoniously with one another.

**What is the hardest question in the world about space?** "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 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 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.



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