

# *Astronomy*

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# What Is Astronomy ?

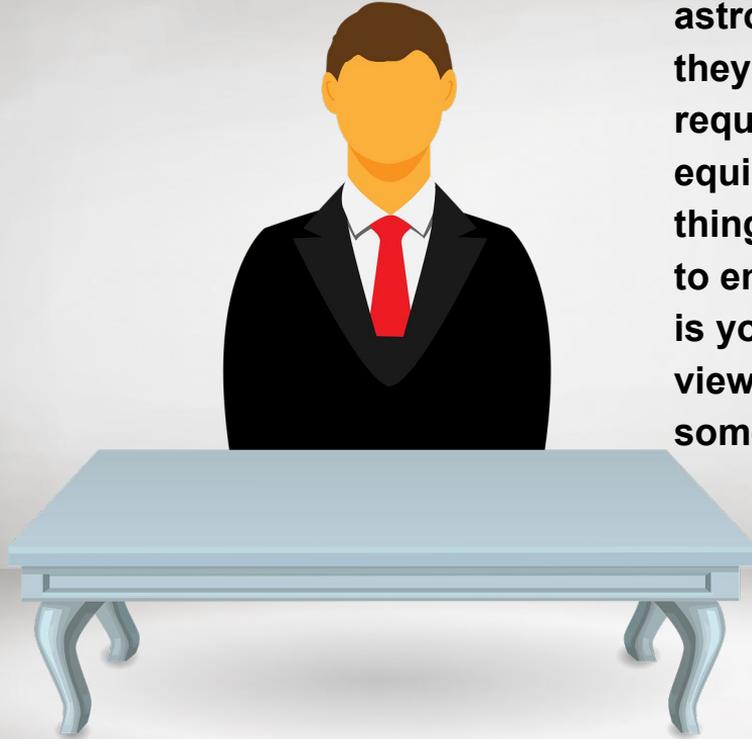
Astronomy is a natural science that studies celestial objects and phenomena. It uses mathematics, physics, and chemistry in order to explain their origin and evolution. Objects of interest include planets, moons, stars, nebulae, galaxies, and comets. Astronomy is one of the oldest natural sciences. The early civilizations in recorded history made methodical observations of the night sky. These include the Babylonians, Greeks, Indians, Egyptians, Chinese, Maya, and many ancient indigenous peoples of the Americas. In the past, astronomy included disciplines as diverse as astrometry, celestial navigation, observational astronomy, and the making of calendars. Nowadays, professional astronomy is often said to be the same as astrophysics. Professional astronomy is split into observational and theoretical branches. Observational astronomy is focused on acquiring data from observations of astronomical objects. This data is then analyzed using basic principles of physics. Theoretical astronomy is oriented toward the development of computer or analytical models to describe astronomical objects and phenomena. These two fields complement each other. Theoretical astronomy seeks to explain observational results and observations are used to confirm theoretical results. Astronomy is one of the few sciences in which amateurs play an active role. This is especially true for the discovery and observation of transient events. Amateur astronomers have helped with many important discoveries, such as finding new comets.

# What is the difference between astronomy and astrology?

Astronomy is a science that studies everything outside of the earth's atmosphere, such as planets, stars, asteroids, galaxies. And the properties and relationships of those celestial bodies. Astrology, on the other hand, is the belief that the positioning of the stars and planets affect the way events occur on earth.



# **Do I need an expensive telescope to enjoy astronomy?**



**Many people hesitate to get involved with astronomy because they believe it requires expensive equipment. The only thing you really need to enjoy the night sky is your eyes, a dark viewing location, and some patience.**

# How Does Astronomy affect everyday life

From the earliest days of civilization, astronomy has had an outsized impact on our culture. Ancient humans gave names to the constellations and tracked them so they knew when to plant their crops. Astrologers kept a careful watch on the sky for any change that might foretell doom. And to the average person, the heavens served as a storybook, recording favorite legends like the blockbuster films of the day.

# Conclusion

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.