

# Introduction to Astronomy

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# Understanding the Universe

- ▶ Universe includes everything from particles to galaxies
- ▶ Encompasses planets, stars, galaxies, nebulae
- ▶ Astronomy unveils positions, movements, composition, energy



# Types of Celestial Bodies

- ▶ Includes planets, stars, galaxies, comets, asteroids, nebulae
- ▶ Planets orbit stars; stars are massive glowing gas spheres
- ▶ Galaxies are vast collections of stars, gas, dust



# The Solar System

- ▶ A tiny part of the Milky Way galaxy
- ▶ Comprises the Sun, eight planets, their moons, dwarf planets
- ▶ Also includes asteroids and comets orbiting the Sun



# Observing the Sky

- ▶ Humans have observed the sky for millennia
- ▶ Modern astronomy uses telescopes and spacecraft
- ▶ Reveal phenomena invisible to the naked eye



# The Importance of Astronomy

- ▶ More than studying stars and planets
- ▶ Understands existence and our place in the universe
- ▶ Challenges perceptions, inspires broader thinking

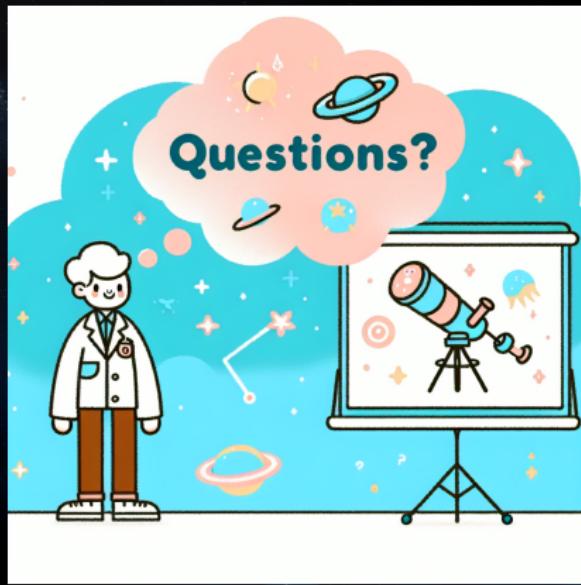


# Conclusion

- ▶ Brief journey through astronomy
- ▶ Connects past, present, future
- ▶ Inspires exploration and understanding of cosmos



# Questions?



Thank You

