

Name _____

How Many Galaxies Are There In The Universe?

Open-Ended Response Answer Key

1. Answers will vary but may include using advanced telescopes to observe galaxies, collect data on their composition and movement, and analyze their spectra to learn about their stars and contents.
2. The "ever-evolving" universe means that it is constantly changing and adapting over time. This idea is important because it helps us understand the dynamic nature of the cosmos, including how galaxies form, evolve, and interact with each other.
3. Answers will vary based on creativity and reasoning.
4. The study of galaxies is crucial for understanding the universe as a whole because galaxies are fundamental building blocks of the cosmos. They provide insights into the history, composition, and behavior of the universe and its contents.

