

Name _____

Cosmic Cities in the Night Sky

Open-Ended Response Questions

1. Imagine you are a space explorer visiting a distant galaxy. Describe what you might see in terms of star clusters, the galaxy's shape, and any signs of galaxy interactions.
2. Reflect on the similarities and differences between galaxies and cities on Earth. How can we use the term "cosmic cityscape" to describe the universe's organization?
3. Consider the role of dark matter and supermassive black holes in galaxies. Why are these mysterious substances important in understanding galactic structures and behaviors?
4. If you were an astronomer studying galaxy formation, what specific aspects of galaxies would you want to investigate, and what tools or observations would you use to explore these areas?

