

Name _____

The Cosmic Puzzle

Open-Ended Response Questions

1. Imagine you are an astronomer studying the large-scale structure of the universe. Describe the steps you would take to create a cosmic map and the tools you would use.
2. Reflect on the idea that the study of the universe is akin to piecing together a cosmic mosaic. How do various techniques and tools mentioned in the passage contribute to this grand puzzle?
3. Consider the challenges scientists face in studying the large-scale structure of the universe, especially when dealing with phenomena like dark energy. What are some potential future discoveries that could shed light on these mysteries?
4. If you were part of a team working on a supercomputer simulation of the universe, what specific aspects of the cosmos would you aim to explore, and what insights do you hope to gain from the simulation?

