

Name _____

Unveiling the Cosmic Mystery: Dark Matter's Role in the Universe

Open-Ended Response Questions

1. Imagine you are a scientist trying to study dark matter. What types of experiments or observations might you conduct to learn more about this mysterious substance?
2. Discuss the implications of dark matter making up a significant portion of the universe's mass and energy. Why is this discovery important for our understanding of the cosmos?
3. Why do scientists consider dark matter to be one of the greatest mysteries of the universe, and what are some of the theories about its composition?
4. Reflect on the idea that we cannot see dark matter directly but can detect its effects. How does this challenge our traditional way of studying the universe, which relies on visible light observations?

