

Name \_\_\_\_\_

## The Role Of Dark Matter

### Short Answer

1. Describe the nature of dark matter and explain why it is challenging to detect.
2. How does dark matter influence the formation of galaxies in the early universe, and what role does it play in this process?
3. Explain the concept of dark matter halos around galaxies and their significance in galactic dynamics.
4. What is a galactic rotation curve, and why does it provide evidence for the existence of dark matter?
5. Discuss the interplay between dark matter and neighboring galaxies and how it influences the cosmic dance of galaxies in the universe.

