

Name _____

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

Short Answer

1. How do we indirectly detect the presence of dark matter, even though it is invisible?
2. Why is dark matter essential for the formation and structure of galaxies?
3. What does the cosmic microwave background (CMB) reveal about the universe's history, and how is dark matter related to it?
4. How does dark matter contribute to the cosmic web, and what is its role in connecting galaxies?
5. What is the major difference between dark matter and dark energy in terms of their effects on the universe?

