

Name _____

Unraveling the Age of the Universe: How Do We Know its Age?

Short Answer

1. Explain how Edwin Hubble's observations of galaxies moving away from us contributed to estimating the age of the universe.
2. What is the cosmic microwave background radiation, and why is it essential in determining the universe's age?
3. Describe the concept of a cosmic calendar and how it helps us comprehend the age of the universe.
4. Besides cosmic expansion and cosmic microwave background radiation, provide one additional method or measurement that supports the estimated age of the universe.
5. Why is it essential for scientists to continue refining their methods for determining the age of the universe, even if current estimates are already quite accurate?

