

Name \_\_\_\_\_

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

### Multiple Choice Questions

1. How old is the universe?
  - a) 10 million years
  - b) 100 million years
  - c) 1 billion years
  - d) 13.8 billion years
  
2. What evidence supports the estimation of the universe's age?
  - a) The observation of planets in our solar system
  - b) The measurement of galaxy sizes
  - c) The expansion of the universe and the cosmic microwave background radiation
  - d) The number of stars in the Milky Way galaxy
  
3. What is Hubble's Law?
  - a) The law that describes the formation of galaxies
  - b) The law that states the universe is shrinking
  - c) The law that describes the expansion of the universe
  - d) The law that governs the behavior of black holes
  
4. What is the cosmic microwave background radiation (CMBR)?
  - a) Radiation emitted by galaxies
  - b) Radiation used for cooking in space
  - c) A faint glow of radiation from the early universe
  - d) Radiation from distant stars
  
5. How does the age of the universe compare to the age of our solar system?
  - a) The universe is younger than our solar system.
  - b) The universe is much older than our solar system.
  - c) The universe is the same age as our solar system.
  - d) The universe's age has no relation to our solar system's age.

