

Name \_\_\_\_\_

## Exploring the Universe: What is Cosmology?

### Multiple Choice Questions

1. What is cosmology?
  - a) The study of stars and planets
  - b) The study of the origin and evolution of the universe
  - c) The study of fossils and prehistoric life
  - d) The study of weather patterns
  
2. How did the universe begin according to the Big Bang theory?
  - a) With a massive explosion
  - b) Slowly and quietly
  - c) By colliding with another universe
  - d) It has always existed
  
3. What is dark matter?
  - a) Matter that is invisible and can only be detected through its gravitational effects
  - b) A type of matter that emits its own light
  - c) Matter that is located in the center of galaxies
  - d) A type of matter that is only found on Earth
  
4. What is the cosmic microwave background radiation?
  - a) A type of radiation used for cooking food in space
  - b) A faint glow of radiation that fills the universe
  - c) A type of radiation emitted by stars
  - d) A type of radiation emitted by black holes
  
5. What is causing the universe's expansion to accelerate?
  - a) The gravitational pull of galaxies
  - b) Dark matter
  - c) Dark energy
  - d) The Big Bang

