

Name \_\_\_\_\_

## The Universe's Cosmic Contours: What is its Shape?

### Multiple Choice Questions

1. What are the three primary shapes proposed for the universe's geometry?
  - a) Round, Square, Triangle
  - b) Flat, Closed, Open
  - c) Spherical, Cubical, Cylindrical
  - d) Spiral, Elliptical, Irregular
  
2. In a flat universe, what is the overall shape of space?
  - a) Spherical
  - b) Curved
  - c) Neither curved nor bent
  - d) Saddle-shaped
  
3. What shape is associated with the possibility of a "Big Crunch" scenario?
  - a) Open Universe
  - b) Closed Universe
  - c) Flat Universe
  - d) Cubical Universe
  
4. What plays a crucial role in investigating the universe's shape by providing insights into its geometry and overall curvature?
  - a) Supernovae
  - b) Cosmic surveys
  - c) Dark matter
  - d) Cosmic Microwave Background Radiation (CMBR)
  
5. What is the likely fate of a flat universe?
  - a) A "Big Crunch"
  - b) A "Big Freeze"
  - c) Eternal expansion
  - d) A "Big Bounce"

