

Name _____

Cosmic Beginning: How Did the Universe Begin and How Do We Know?

Multiple Choice Questions

1. What is the most widely accepted theory about the origin of the universe?
 - a) The Steady State theory
 - b) The Pulsating theory
 - c) The Big Bang theory
 - d) The Black Hole theory

2. What is the cosmic microwave background radiation (CMBR)?
 - a) The radiation emitted by stars
 - b) The afterglow of the Big Bang
 - c) The radiation from distant galaxies
 - d) The heat generated by planets

3. What evidence supports the idea that the universe is expanding?
 - a) The abundance of light elements
 - b) The discovery of black holes
 - c) The observation of galaxies moving away from us
 - d) The study of cosmic structures

4. Who discovered the redshift of galaxies, providing evidence for the expanding universe?
 - a) Isaac Newton
 - b) Albert Einstein
 - c) Edwin Hubble
 - d) Galileo Galilei

5. What does Hubble's Law state?
 - a) The distance between galaxies is constant
 - b) The universe is not expanding
 - c) The velocity of galaxies is unrelated to their distance
 - d) The velocity of galaxies is directly proportional to their distance from us

