

Foundations of Cosmology

Cosmology · Practice Test · 12 Questions

1. Who was the first scientist to demonstrate that the universe is expanding?

- A) Edwin Hubble
- B) Isaac Newton
- C) Galileo Galilei
- D) Albert Einstein

2. What is the name of the radiation left over from the Big Bang, discovered in 1964?

- A) Cosmic Microwave Background
- B) Solar Wind
- C) Dark Matter Radiation
- D) Stellar Flare

3. Which space telescope was launched in 1990 to capture high-resolution images of distant galaxies?

- A) Hubble Space Telescope
- B) James Webb Telescope
- C) Kepler Space Telescope
- D) Spitzer Space Telescope

4. What is the name of the theoretical event that marks the origin of the universe?

- A) The Big Bang
- B) The Great Expansion
- C) The Stellar Ignition
- D) The Cosmic Birth

5. Which astronomer first used a telescope to discover moons orbiting Jupiter, challenging the idea that everything revolves around Earth?

- A) Galileo Galilei
- B) Nicolaus Copernicus
- C) Johannes Kepler
- D) Tycho Brahe

6. What is the most abundant element in the universe, formed shortly after the Big Bang?

- A) Hydrogen
- B) Oxygen
- C) Carbon
- D) Helium

7. Which scientist proposed the heliocentric model, placing the Sun at the center of the solar system?

- A) Nicolaus Copernicus
- B) Claudius Ptolemy
- C) Aristotle
- D) Isaac Newton

8. What invisible substance is believed to make up most of the matter in the universe?

- A) Dark Matter
- B) Black Holes
- C) Cosmic Dust
- D) Neutrinos

9. What is the term for a massive explosion that occurs at the end of a star's life cycle?

- A) Supernova
- B) Nebula
- C) White Dwarf
- D) Red Giant

10. Which mission was the first to successfully land humans on the Moon?

- A) Apollo 11
- B) Voyager 1
- C) Gemini 8
- D) Mercury-Atlas 6

11. What device allowed early astronomers to track the positions of stars and planets for the first time?

- A) Astrolabe
- B) Compass
- C) Chronometer
- D) Microscope

12. Which mission was the first to send a human-made object into interstellar space?

- A) Voyager 1
- B) Pioneer 10
- C) Apollo 13
- D) Cassini