

Cosmology for Young Explorers

Cosmology · Practice Test · 18 Questions

1. What is the name of the theory that describes the beginning of the universe?

- A) The Big Bang
- B) The Solar Theory
- C) The Galactic Expansion
- D) The Planetary Formation

2. Which galaxy is home to our Solar System?

- A) Andromeda
- B) The Milky Way
- C) Sombrero
- D) Whirlpool

3. What is the center of our Solar System?

- A) The Earth
- B) The Moon
- C) The Sun
- D) Jupiter

4. What force keeps planets in orbit around the Sun?

- A) Magnetism
- B) Friction
- C) Gravity
- D) Electricity

5. What is an extremely dense object in space with gravity so strong that not even light can escape?

- A) A Black Hole
- B) A Supernova
- C) A Nebula
- D) A Dwarf Star

6. Which planet is known as the 'Red Planet'?

- A) Venus
- B) Mars
- C) Saturn
- D) Neptune

7. What are huge clouds of gas and dust in space where stars are born?

- A) Asteroids
- B) Comets
- C) Nebulae
- D) Moons

8. Approximately how old do scientists estimate the universe to be?

- A) 1.4 billion years
- B) 13.8 billion years
- C) 100 million years
- D) 500 billion years

9. What do we call a large collection of stars, gas, and dust held together by gravity?

- A) A Planet
- B) A Galaxy
- C) A Constellation
- D) An Orbit

10. What is the largest planet in our Solar System?

- A) Earth
- B) Saturn
- C) Jupiter
- D) Mars

11. Which celestial body orbits the Earth?

- A) The Sun
- B) The Moon
- C) Mars
- D) Venus

12. What is a star that has exploded at the end of its life called?

- A) Supernova
- B) White Dwarf
- C) Red Giant
- D) Black Hole

13. Which planet is famous for its large, beautiful rings?

- A) Mercury
- B) Uranus
- C) Saturn
- D) Mars

14. What is the study of the origin and development of the universe called?

- A) Biology
- B) Geology
- C) Cosmology
- D) Meteorology

15. What do we call a path that a planet takes around the Sun?

- A) Rotation
- B) Orbit
- C) Spin
- D) Axis

16. Which is the closest star to Earth?

- A) Proxima Centauri
- B) Sirius
- C) The Sun
- D) Polaris

17. What type of star is our Sun?

- A) Yellow Dwarf
- B) Red Supergiant
- C) Neutron Star
- D) Blue Giant

18. What is the invisible substance that makes up most of the matter in the universe?

- A) Dark Matter
- B) Stardust
- C) Gas Clouds
- D) Space Debris