

Solar System and Celestial Objects

Astronomy · Practice Test · 10 Questions

1. What force caused stars to condense from clouds of molecules?

- A) Nuclear Fusion
- B) Gravity
- C) Radiation
- D) Magnetism

2. What process releases great amounts of energy in stars?

- A) Gravity
- B) Nuclear Fusion
- C) Radioactive Decay
- D) Chemical Reactions

3. Approximately how long does it take the moon to orbit the Earth?

- A) 7 days
- B) 28 days
- C) 365 days
- D) 12 hours

4. What causes the phases of the moon?

- A) Earth's shadow
- B) Changes in the moon's shape
- C) Different stars lighting the moon
- D) Changing angles of sunlight on the moon

5. What happens to chunks of rock that enter Earth's atmosphere?

- A) They become moons
- B) They are pushed away
- C) They glow and disintegrate
- D) They become planets

6. What are the outer planets primarily composed of?

- A) Heavy Metals
- B) Solid Rock
- C) Light elements as gas or ice
- D) Molten Lava

7. What causes the day and night cycle on Earth?

- A) Earth's orbit around the sun
- B) The moon's orbit around the earth
- C) Earth's rotation on its axis
- D) Solar flares

8. What helps people see distant objects in the sky?

- A) Microscopes
- B) Telescopes
- C) Magnifying glasses
- D) Binoculars

9. What is the Earth orbited by?

- A) One moon, many artificial satellites and debris
- B) Only one moon
- C) Just artificial satellites
- D) Nothing

10. Why do planets appear to change position against the background of stars?

- A) Stars are moving quickly
- B) Planets are closer and orbit the sun
- C) The Earth is stationary
- D) The stars are illusions