

# Solar System and Celestial Objects

Astronomy · Answer Key · 10 Questions

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## 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