

CHAPTER-12 | Earth, Moon and the Sun

QUIZ
PART-02

1. Day and night are caused by:

- A. Revolution
- B. Rotation
- C. Eclipse
- D. Tilt only (B)

Explanation: Earth's rotation causes day-night cycle.

2. Half of Earth facing Sun has:

- A. Night
- B. Day
- C. Eclipse
- D. Winter (B)

Explanation: Sunlit side experiences day.

3. The other half of Earth experiences:

- A. Summer
- B. Night
- C. Eclipse
- D. Equinox (B)

Explanation: Opposite side remains dark.

4. Sunrise occurs when location moves into:

- A. Darkness
- B. Light
- C. Shadow
- D. Orbit (B)

Explanation: Rotation brings region into sunlight.

5. Earth's axial tilt is approximately:

- A. 0°
- B. 23.5°
- C. 45°
- D. 90° (B)

Explanation: Axis tilted about 23.5° .

6. Foucault pendulum demonstrated:

- A. Revolution
- B. Gravity
- C. Rotation
- D. Eclipse (C)

Explanation: It proved Earth rotates.

7. Pole Star appears:

- A. Moving fast
- B. Stationary
- C. Invisible
- D. Rotating (B)

Explanation: It appears almost fixed.

8. Stars appear to move due to:

- A. Their motion
- B. Earth's rotation
- C. Eclipse
- D. Clouds (B)

Explanation: Apparent motion due to rotation.

9. Moon rises in:

- A. West
- B. East
- C. North
- D. South (B)

Explanation: Like Sun, Moon appears to rise in East.

10. Day and night cycle duration is:

- A. 12 hours
- B. 24 hours
- C. 365 days
- D. 30 days (B)

Explanation: One rotation equals 24 hours.