

# Solar System Phenomena and Exploration

Science · Practice Test · 12 Questions

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**1. What is the time taken by a planet to turn once around its own axis called?**

- A) Revolution
- B) Rotation
- C) Orbit
- D) Tilt

**2. What is the time taken by a planet to revolve once around the sun called?**

- A) Rotation
- B) Orbit
- C) Year
- D) Day

**3. Which two planets in our solar system have no sub-planets (moons)?**

- A) Earth and Mars
- B) Jupiter and Saturn
- C) Mercury and Venus
- D) Uranus and Neptune

**4. Which planet has the longest rotational time?**

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

**5. Which planet has the shortest rotational time?**

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

**6. What causes seasonal changes on Earth?**

- A) Rotation of the Earth
- B) Revolution of the Earth with a tilt
- C) Solar flares
- D) The Earth's magnetic field

**7. What is the tilt of the Earth's axis to its orbital plane?**

- A) 0 degrees
- B) 90 degrees
- C) 23.5 degrees
- D) 45 degrees

**8. Why do phases of the moon occur?**

- A) The moon emits its own light
- B) The Earth blocks the sun's light
- C) The changing angle at which we view the illuminated portion of the moon
- D) The moon's shadow on the Earth

**9. What are the two main types of eclipses?**

- A) Solar and Lunar
- B) Planetary and Stellar
- C) Galactic and Universal
- D) Red and Blue

**10. What is the name of the area where a total solar eclipse can be seen?**

- A) Penumbra
- B) Umbra
- C) Corona
- D) Shadow

**11. What force keeps planets in orbit around the sun?**

- A) Frictional force
- B) Magnetic force
- C) Gravitational force
- D) Electrical force

**12. In which hemisphere is it winter when it is summer in the northern hemisphere?**

- A) Eastern
- B) Western
- C) Southern
- D) None