

Solar System Exploration

Solar System Basics · Answer Key · 8 Questions

1. Which planet in our solar system is known for its prominent rings, composed mainly of ice particles and dust?

- A) Jupiter
- B) Uranus
- C) Saturn**
- D) Neptune

2. What is the largest moon in our solar system, larger than the planet Mercury?

- A) Titan (moon of Saturn)
- B) Europa (moon of Jupiter)
- C) Ganymede (moon of Jupiter)**
- D) Triton (moon of Neptune)

3. Which planet is closest to the Sun and has the shortest orbital period?

- A) Venus
- B) Mercury**
- C) Earth
- D) Mars

4. The asteroid belt is primarily located between the orbits of which two planets?

- A) Earth and Mars
- B) Jupiter and Saturn
- C) Mars and Jupiter**
- D) Saturn and Uranus

5. What defines the outer boundary of the Sun's direct influence, where its solar wind is stopped by the interstellar medium?

- A) The Oort Cloud
- B) The Kuiper Belt
- C) The Heliopause**
- D) The Asteroid Belt

6. Which of the following is classified as a dwarf planet and is located in the asteroid belt?

- A) Pluto
- B) Eris
- C) Ceres**
- D) Makemake

7. The 'Great Red Spot' is a giant, persistent storm on which planet?

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

D) Jupiter

8. What is the primary composition of the majority of gas giants (Jupiter, Saturn, Uranus, Neptune) in our solar system?

- A) Rock and metal
- B) Water ice and silicates

C) Hydrogen and helium

- D) Carbon dioxide and nitrogen