

Advanced Space Exploration Knowledge

Space Exploration · Answer Key · 8 Questions

1. Which specific mission was the first to successfully land a human on the Moon?

- A) Apollo 8
- B) Apollo 11**
- C) Apollo 13
- D) Apollo 7

2. What is the name of the first artificial satellite launched into Earth's orbit by the Soviet Union in 1957?

- A) Explorer 1
- B) Vostok 1
- C) Sputnik 1**
- D) Luna 2

3. Which planet in our solar system was the primary destination for the Voyager 2 probe to conduct a flyby of in 1989?

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

4. The 'Great Red Spot' is a massive, persistent high-pressure storm system located on which gas giant?

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

5. Which space agency developed the 'Curiosity' rover that landed on Mars in 2012?

- A) ESA
- B) NASA**
- C) JAXA
- D) Roscosmos

6. In orbital mechanics, what is the 'apoapsis' of an elliptical orbit?

- A) The point closest to the center of the body being orbited
- B) The point furthest from the center of the body being orbited**
- C) The speed at which an object achieves orbit
- D) The path an object takes around a star

7. Who was the first woman to travel into space, orbiting the Earth 48 times in 1963?

A) Sally Ride

B) Valentina Tereshkova

C) Peggy Whitson

D) Yelena Kondakova

8. Which telescope was launched in 1990 to provide high-resolution images of deep space, operating above the distortion of Earth's atmosphere?

A) James Webb Space Telescope

B) Spitzer Space Telescope

C) Hubble Space Telescope

D) Kepler Space Telescope