Cosmic Environmental Science

Environmental Science · Answer Key · 10 Questions

1. Which planet in our solar system has the most extensive and visible ring system, primarily composed of ice and rock particles?

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

2. What is the primary component of the atmosphere on Mars?

A) Oxygen
B) Nitrogen
C) Carbon Dioxide
D) Argon

3. Which celestial body is known as the 'Red Planet' due to the prevalence of iron oxide on its surface?

A) Venus
B) Mars
C) Mercury
D) Jupiter

4. What is the term for the boundary around a black hole beyond which nothing, not even light, can escape?

A) Event horizon
B) Singularity
C) Accretion disk
D) Photon sphere

5. Which planet has the longest orbital period, taking approximately 165 Earth years to complete one revolution around the Sun?

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

6. What type of galaxy is the Milky Way classified as?

A) Elliptical
B) Irregular
C) Lenticular
D) Spiral

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7. Which moon of Jupiter is considered the most volcanically active body in our solar system?

A) Europa
B) Ganymede
C) Io
D) Callisto

8. What is the primary gas that makes up the majority of the Sun's mass?

A) Helium
B) Hydrogen
C) Oxygen
D) Carbon

9. Which planet is known for having an extreme greenhouse effect, leading to surface temperatures hot enough to melt lead?

A) Mercury
B) Mars
C) Venus
D) Saturn

10. What is the largest planet in our solar system by mass and volume?

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