Cosmic Frontiers

Space And Astronomy · Answer Key · 8 Questions

1. Which planet in our solar system has the most extensive and visible ring system?

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

2. What is the name of the largest moon of Saturn, which is the only moon known to have a dense atmosphere?

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

3. Which space telescope, launched in 2021, is designed to observe the universe in infrared light?

A) Hubble
B) Kepler
C) James Webb
D) Spitzer

4. What is the name of the boundary surrounding a black hole from which nothing, not even light, can escape?

A) Singularity
B) Event Horizon
C) Accretion Disk
D) Photon Sphere

5. Which planet is known as the 'Red Planet' due to the iron oxide prevalent on its surface?

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

6. Approximately how long does it take for light from the Sun to reach Earth?

A) 8 seconds
B) 8 minutes
C) 8 hours
D) 8 days

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7. What is the most abundant gas found in the atmosphere of Venus?

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

8. Which galaxy is the nearest large spiral galaxy to the Milky Way?

A) Triangulum
B) Andromeda
C) Whirlpool
D) Sombrero

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