Cosmic Wonders: Space and Astronomy Trivia

Astronomy · Answer Key · 13 Questions

1. Which planet in our solar system has the shortest day, completing one full rotation in under 10 hours?

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

2. Which planet in the solar system has the highest average surface temperature?

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

3. Which of Saturn's moons is known for having liquid hydrocarbon lakes on its surface?

A) Enceladus
B) Europa
C) Titan
D) Triton

4. What is the brightest star in the night sky when viewed from Earth?

A) Betelgeuse
B) Rigel
C) Alpha Centauri A
D) Sirius

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

A) Elliptical galaxy
B) Barred spiral galaxy
C) Irregular galaxy
D) Lenticular galaxy

6. Which moon is the largest in the solar system, even surpassing the planet Mercury in size?

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

7. What is the boundary surrounding a black hole beyond which nothing, not even light, can escape?

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

8. Olympus Mons, the largest volcano in the solar system, is located on which planet?

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

9. Which NASA spacecraft performed the first close flyby of Pluto in July 2015?

A) Voyager 1
B) Cassini
C) Pioneer 10
D) New Horizons

10. What element makes up the vast majority of the Sun's mass?

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

11. Which dwarf planet is located in the main asteroid belt between Mars and Jupiter?

A) Eris
B) Haumea
C) Ceres
D) Makemake

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

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

13. Which planet features a distinctive hexagonal cloud pattern at its north pole?

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

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