

Solar System Essentials

Astronomy · Answer Key · 20 Questions

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

- A) Venus
- B) Mars**
- C) Jupiter
- D) Saturn

2. What is the largest planet in our solar system?

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

3. Which planet is famous for its extensive and bright ring system?

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

4. What is the hottest planet in our solar system, despite not being closest to the Sun?

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

5. Which celestial body was reclassified as a 'dwarf planet' in 2006?

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

6. What is the primary gas that makes up the Sun?

- A) Oxygen
- B) Nitrogen
- C) Helium
- D) Hydrogen**

7. Which planet orbits the Sun on its side, with an axial tilt of about 98 degrees?

A) Uranus

B) Neptune

C) Saturn

D) Jupiter

8. What is the name of the region located between the orbits of Mars and Jupiter that contains many rocky bodies?

A) Kuiper Belt

B) Asteroid Belt

C) Oort Cloud

D) Ring System

9. Which planet is the smallest in our solar system?

A) Mars

B) Venus

C) Mercury

D) Neptune

10. How many moons does the planet Earth have?

A) Zero

B) One

C) Two

D) Three

11. Which planet is known as the 'Windy Planet' and is the furthest from the Sun?

A) Uranus

B) Saturn

C) Neptune

D) Jupiter

12. What is the name of the galaxy that contains our Solar System?

A) Andromeda

B) Milky Way

C) Sombrero

D) Triangulum

13. What force keeps the planets in orbit around the Sun?

A) Magnetism

B) Friction

C) Gravity

D) Electricity

14. 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

15. Which planet has a massive storm known as the 'Great Red Spot'?

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

16. What are the 'inner' planets of the solar system primarily made of?

- A) Gas
- B) Ice
- C) Rock**
- D) Liquid

17. Which planet rotates in the opposite direction to most other planets in the solar system?

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

18. What is the name of the star at the center of our solar system?

- A) Proxima Centauri
- B) Sirius
- C) Betelgeuse
- D) The Sun**

19. Which planet is often called Earth's 'sister planet' because of its similar size and density?

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

20. What lies beyond the orbit of Neptune and contains many icy objects?

A) Asteroid Belt

B) Kuiper Belt

C) The Great Rift

D) Galactic Center