

Amazing Astronomy Adventures!

Astronomy · Answer Key · 25 Questions

1. Which planet in our solar system is known for its beautiful, bright rings made of ice and rock?

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

2. What is the name of the star that is closest to Earth and gives us light and warmth?

- A) Alpha Centauri
- B) The Moon
- C) The Sun**
- D) Polaris

3. What do we call a giant ball of hot gas that shines in space, like our Sun?

- A) A planet
- B) A moon
- C) A star**
- D) An asteroid

4. Which planet is often called the 'Red Planet' because of its rusty-colored surface?

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

5. What is the natural satellite that orbits Earth and we can see shining in the night sky?

- A) The Sun
- B) A star
- C) The Moon**
- D) A comet

6. Which is the largest planet in our solar system, known for its Great Red Spot?

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

7. What is the name for a collection of billions of stars, gas, and dust all held together by gravity?

- A) A solar system
- B) A planet
- C) A galaxy**
- D) A nebula

8. Which planet is closest to the Sun and is the smallest planet in our solar system?

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

9. What are the rocky or metallic objects that orbit the Sun, mostly found between Mars and Jupiter?

- A) Comets
- B) Asteroids**
- C) Moons
- D) Stars

10. Which planet is the third planet from the Sun and the only one known to have liquid water on its surface?

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

11. What is the name of our galaxy, which contains our Sun and billions of other stars?

- A) Andromeda
- B) The Milky Way**
- C) Triangulum
- D) Whirlpool

12. Which planet is known as Earth's 'twin' because it is very similar in size and mass?

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

13. What is a celestial body made of ice and dust that orbits the Sun and often has a tail?

- A) An asteroid
- B) A meteor
- C) A comet**
- D) A star

14. Which planet spins on its side, giving it extreme seasons?

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

15. What is the name for a streak of light in the sky caused by a small piece of rock or dust burning up in Earth's atmosphere?

- A) A comet
- B) An asteroid
- C) A meteor**
- D) A planet

16. Which is the farthest planet from the Sun in our solar system, known for its deep blue color?

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

17. What force keeps planets in orbit around the Sun and the Moon in orbit around Earth?

- A) Magnetism
- B) Heat
- C) Gravity**
- D) Light

18. What do we call the path a planet takes as it travels around the Sun?

- A) A circle
- B) An orbit**
- C) A line
- D) A spin

19. What is the very hot, bright center of a star called?

- A) The surface
- B) The core**
- C) The atmosphere
- D) The crust

20. Which planet is known for its strong winds and a giant storm called the Great Dark Spot (though it has changed over time)?

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

21. What are the large, icy bodies that travel around the Sun, often forming a glowing tail when they get close?

- A) Meteoroids
- B) Asteroids
- C) Comets**
- D) Planetesimals

22. What is the name of the space agency that sends rockets and astronauts into space from the United States?

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

23. What is the imaginary line that a planet spins around?

- A) An orbit
- B) An axis**
- C) A radius
- D) A diameter

24. Which planet appears to have a hazy, yellowish-white cloud cover that hides its surface?

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

25. What do we call the enormous, glowing balls of gas that are the building blocks of galaxies?

- A) Planets
- B) Moons
- C) Stars**
- D) Nebulae