

Astronomy Fundamentals

Astronomy · Answer Key · 15 Questions

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

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

2. Which planet is known as the 'Red Planet'?

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

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

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

4. What celestial body orbits the Earth?

- A) The Sun
- B) Mars
- C) The Moon**
- D) Venus

5. A large collection of stars, gas, and dust held together by gravity is called a:

- A) Nebula
- B) Asteroid
- C) Galaxy**
- D) Comet

6. Which planet is closest to the Sun?

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

7. What is the name of the galaxy we live in?

- A) Andromeda
- B) Triangulum
- C) Whirlpool

D) Milky Way

8. What are the rings of Saturn primarily made of?

- A) Gas
- B) Rock and metal

C) Ice and rock particles

- D) Liquid water

9. What is the process by which stars produce energy?

A) Fusion

- B) Fission
- C) Combustion
- D) Evaporation

10. Which planet is known for its prominent, beautiful rings?

- A) Jupiter
- B) Uranus

C) Saturn

- D) Neptune

11. What is the common name for a small, rocky object that orbits the Sun, found mostly between Mars and Jupiter?

- A) Comet
- B) Meteoroid

C) Asteroid

- D) Dwarf planet

12. Which planet is the third planet from the Sun?

- A) Mars

B) Earth

- C) Venus
- D) Mercury

13. What is a 'light-year' a measure of?

- A) Time
- B) Brightness

C) Distance

- D) Speed

14. Which gas is most abundant in the Sun?

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

15. The phenomenon where a star collapses and explodes, briefly outshining an entire galaxy, is called a:

- A) Black hole
- B) Supernova**
- C) Nebula
- D) Pulsar