Astrophysics for Young Explorers

Astrophysics · Answer Key · 25 Questions

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

A) Andromeda
B) Milky Way
C) Sombrero
D) Whirlpool

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

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

3. What is the center of our Solar System?

A) The Moon
B) The Earth
C) The Sun
D) Jupiter

4. Which planet is the largest in our Solar System?

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

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

A) Magnetism
B) Gravity
C) Friction
D) Electricity

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

A) Gas
B) Liquid metal
C) Ice and rock
D) Solid gold

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7. What is the hottest planet in our Solar System?

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

8. Which celestial body is a natural satellite of Earth?

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

9. How many planets are in our Solar System?

A) 7
B) 8
C) 9
D) 10

10. What type of celestial body is the Sun?

A) Planet
B) Asteroid
C) Star
D) Comet

11. Which planet is famous for its large, prominent ring system?

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

12. What is the name of the galaxy closest to the Milky Way?

A) Triangulum
B) Andromeda
C) Pinwheel
D) Black Eye

13. What do astronomers call a massive explosion at the end of a large star's life?

A) Supernova
B) Nebula
C) Black Hole
D) Solar Flare

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14. Which planet is known for having a 'Great Red Spot'?

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

15. What is the path an object takes as it revolves around another object in space?

A) Line
B) Circle
C) Orbit
D) Axis

16. Which planet is closest to the Sun?

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

17. What is a 'shooting star' actually?

A) A falling star
B) A meteor
C) A comet
D) A planet

18. What is the imaginary line around which a planet rotates?

A) Orbit
B) Equator
C) Axis
D) Diameter

19. Which planet has the most moons?

A) Earth
B) Mars
C) Saturn
D) Venus

20. What is the study of the universe and its components called?

A) Biology
B) Geology
C) Astrophysics
D) Chemistry

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21. What color are the hottest stars?

A) Red
B) Yellow
C) White or Blue
D) Orange

22. Which planet is known as the 'Ice Giant'?

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

23. What does the Moon reflect to make it shine in the night sky?

A) Its own light
B) Light from the Sun
C) Light from Earth
D) Light from Mars

24. What is the belt of rocky objects located between Mars and Jupiter?

A) Kuiper Belt
B) Asteroid Belt
C) Oort Cloud
D) Ring System

25. Which planet takes the longest time to orbit the Sun?

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

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