

Ch-1

The Earth In The Solar System  
  
Question 1 The full moon night is also known as?   
A1. Poornima

Question 2. The new moon night is also known as?   
A2. Amavasya

Question 3. Why can’t we see the moon and stars during day Time?   
A3. Due to the bright light of sun.

Question 4.The sun, moon and other shinning objects in night sky are known as?   
A4. Celestial bodies

Question 5. Various patterns formed by different groups of stars are know as?   
A5. Constellations

Question 6.Name some constellations which can be easily noticed?   
A6. Ursa major or Big Bear   
 Saptaeishi or Small Bear   
Question 7. The North star which indicates the north direction. Is known as?

A7. Pole Star.

Question 8. Celestial bodies which do not have their own heat and light are known as?   
A8. Planets   
Question 9.What forms the solar system?   
A9. The sun, nine planets, satellites and some other

celestial bodies known as asteroids and meteoroids form the solar system.

Question 10.Define the sun in brief.  
A10.- The sun is in the **centre of the solar system**.

-**made** **up of** extremely **hot gases**.

-It **acts as the pulling force** that binds the solar system.

-It is the **ultimate source of heat and light** for the solar system.

-The sun **is about 150 million km away from the earth**.  
  
Question 11.  Name all the planets according to their distance from the sun.

A11. Planets according to their distance from the sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto.  
Question 12. Which planet is nearest and which planet is farthest from the sun?  
A12. Nearest- Mercury   
 Farthest- Pluto

Question 13.Name the earth’s twin.  
A13.Venus

Question 14. Why is the Earth called a unique planet?

A14.Earth is called a unique planet because:-  
 -This is the **only planet where life exists.**

-It has conditions for supporting life.

-The earth is **neither too hot nor too cold**.

-It **has water and air**, which are very **essential for our survival.**

- The air has **life-supporting gases like oxygen**.

Question 15.Shape of the earth is described as?  
A15.Geoid

Question 16.Earth is also know as blue planet. Why?  
A16. Because its two-thirds surface is covered by water.

Question 17. Why do we see only one side of the moon always?

A17.The moon moves around the earth in about 27 days. It takes exactly the same time to complete one spin. Therefore, only one side of the moon is visible to us on the earth.

Question 18. Define moon.  
A18 - Our earth has only **one satellite, that is, the moon**.

- Its diameter is only one-quarter that of the earth.

- It is near to the earth than other celestial bodies.

-The moon does not have conditions favourable for life.  
  
Question 19. Differentiaite between Satellite and human made satellite.  
A19.**Satellite** is a **celestial body** that moves around the planets in the same way as the planets move around the sun.

**Human-made Satellite** is an **artificial body**. It is designed by scientists to information about the universe or for communication.

Question 20.What are asteroids?  
A20. There are numerous tiny bodies which also move around the sun. These bodies are called ***asteroids***. They are found between the orbits of Mars and Jupiter.  
  
Question 21. Name the largest asteroid.  
A21.Ceres   
  
Question 22. The small pieces of rocks which move around the sun are known as?

A22. Meteoroids

Question 23.Our solar system is a part of which galaxy?  
A23.Milky Way galaxy

Question 24. The group of millions of galaxy is known as?  
A24. Universe   
  
Question 25. How does a planet differ from a star?

A25.Planet differs from star in the following manner:

Planets

Planets do not have their own light

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Planets revolve around a star (sun).

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Planets do not twinkle

Stars

Stars emit their own light.

Stars do not revolve around any celestial body

Star twinkle.