

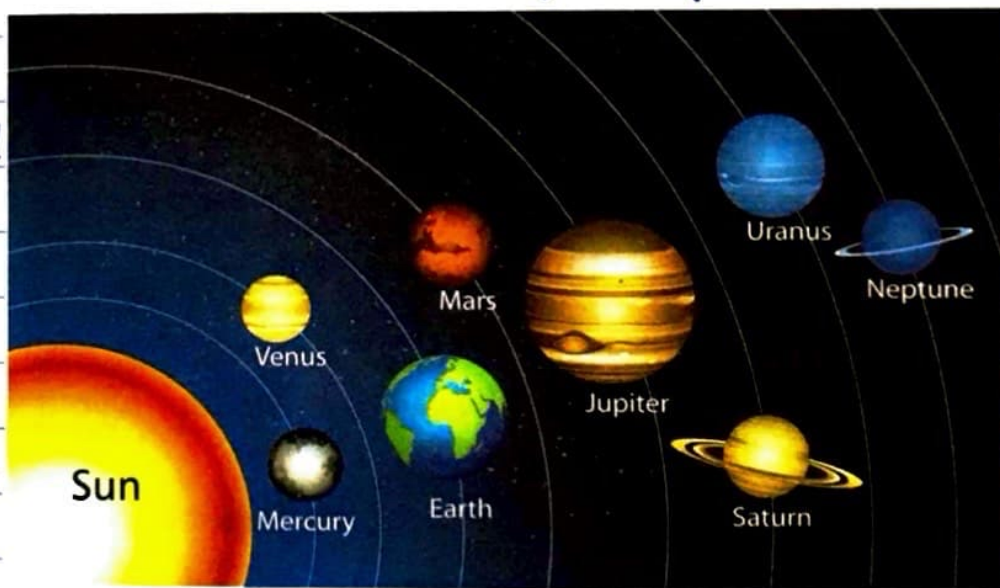
(1)

Good Morning students,

Today we are going to set our focus on the topic - "The Solar System" Chapter-15 starting on page number-89 of your textbook titled "Excursions-3". All the students may kindly open page number-89 and be ready with your social studies notebooks. If all the students are ready then let us start with the explanation of the chapter.

SOLAR SYSTEM :- Students, everyday we see that the sun rises in the east starting a day and sets in the west making the day end. The sun is the head of the family called the solar system. Who are in this family? Let us know them.

Our solar system is formed by the sun, eight planets, their moons called natural satellites, dwarf planets and some other

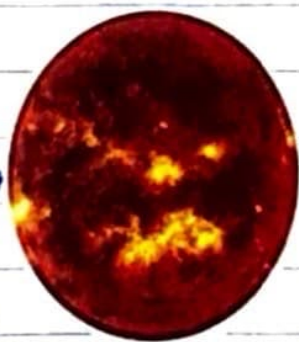


Solar System

elements. All these elements are known as heavenly bodies. Let us study the picture of the solar system given above.

(2)

1) The Sun :- The sun is a star which is closest to the earth. It is a ball of hot burning gases and all the planets in our solar system move around it. Other stars appear in the night sky, but the sun is visible to us because it is so close. It gives us heat and light. If there was no sun, the earth would be very dark and cold with no life on it. It is the heat and light from sun that makes life possible on earth.



The Sun

Let us discuss some other facts about the sun. 1) The light from the sun takes about eight minutes to reach the earth.

2) Sun is over 100 times bigger than the earth.

2) PLANETS :- Planet means wanderer or traveller. A planet is a heavenly body that travels around the sun in a fixed path.

ORBIT :- The path, the planet follows to go around the sun is called an orbit. Earth completes one orbit every 365 days, so a year on earth is that long. Planets are made up of rocks or gases. Planets do not have their

own light. They reflect the light from sun. According to their distance from the sun, the eight planets are - Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

* Revolution :- The movement of planets around the sun is called revolution.

* ROTATION :- Planets also move on their own axis. This movement is called rotation.

Let us learn some facts about planets:-

1) Mercury :- Mercury is the smallest planet. It is also the nearest to the sun. It has no moons or satellites. It takes 88 days to orbit around the sun.



Mercury

2) Venus - Venus is the brightest planet in the solar system. It is also the hottest planet. It is the planet closest to the planet Earth. It is a planet with no satellite.



Venus

(4)

3) The Earth -

The Earth is a living planet. It has been called the blue planet as it appears blue from space. It takes $365\frac{1}{4}$ days to go around the Sun.



Earth

4) Mars -

Mars is the fourth planet from the Sun and the second smallest planet in the solar system. It is also known as the red planet as it is covered with red dust.



Mars

5) Jupiter -

Jupiter is the largest planet in the solar system. Jupiter is so big that all the other planets in the solar system could fit inside it. The planet is also the planet with maximum number of moons. It is a planet filled with gases.



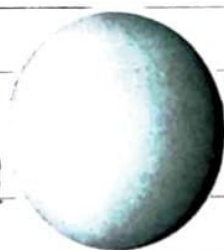
Jupiter

- 6) Saturn - Saturn is the second largest planet in the solar system. It is surrounded by many rings made of ice crystals.



Saturn

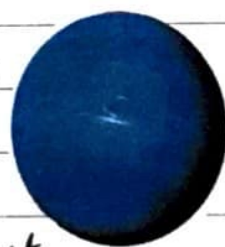
- 7) Uranus - Uranus spins around the sun lying on its sides. It has many dark rings around it and has many satellites.



Uranus

- 8) Neptune -

Neptune is the farthest planet from the sun. Because of this, it receives very less heat from the sun and the worst stormy weather. From Earth, it can be seen only with a telescope.



Neptune

With this I conclude the interactive session. Please go through all the assignments carefully for better understanding of the concept.

Thank you.