

Social science

Class 6 sec A

Exploring the solar system

Chapter 1

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A. Tick the correct answer.

1. B

2. B.

3. A

4. B

5. C

6. A

B. fill in the blanks .

1. Milky way

2. Constellation

3. mercury

4. meteorite

5. Red

6. Jupiter

7. saturn

8. Meteors

C. Answer the following questions in brief.

1. What do you understand by the term galaxy?

Ans: Galaxy are huge groups of stars ,planets, gas, dust , etc which are held together in space by gravity.

2. What is the difference between a meteorite and a comet?

Ans:A meteorite which reaches the surface of the earth.

A small body of rocks, ice, and gas orbiting the sun.

3. Why does jupiter get so many storms?

Ans: Jupiter get so many storms because it is a gas made up of hydrogen and helium and is covered by a layer of clouds it's fast rotating movement causes severe storms.

4. What is a satellite?

Ans: A natural or human made object that moves around a larger natural object in space.

5. Why is mercury cold at night even though it is close to the sun?

Ans: mercury is cold at night even though it is close to the sun because its temperature is around 400 degree Celsius during the day but drop to about 170 degree Celsius at night . This is because it has no atmosphere to trap the heat.

D. Answer the following questions in detail.

1 why does a photograph of the earth taken from the space look so colorful?

Ans: A photograph of the earth taken from the space look so colorful, with shape of blue, white and green . The oceans and seas make our Earth look blue when seen from space. The white colour represents the clouds. Green shows the vegetation.

2. What does the solar system consist of?

Ans :

The solar system consists of the sun , the planets, mercury, venus, earth, Mars, Jupiter, Saturn, Uranus, Neptune and Pluto.

3. Why is life possible on earth?

Ans: Life is possible on earth because the Earth is surrounded by an atmosphere of nitrogen, oxygen, and water vapour.

4. What is the difference between a star and a planet?

Ans : stars:

1. Stars have their own light.
2. The temperature is high.
3. There is only one star in the solar system.
4. Stars have hydrogen, helium, and other light elements.

Planets:

1. Planets do not have their own light.
2. The temperature is low.
3. There are eight planets in our solar system.
4. Planets have solid , liquid, and gasses

E . Give reason why.

1 .Life is not possible on the moon.

Ans: Life is not possible on the moon because the moon has no atmosphere and no water. Its surface is covered by hills, valleys, and craters.

2. Venus is the hottest planet.

Ans: Venus is the hottest planet with temperature of 475 degree Celsius even during the night. This is because its temperature is 96% carbon dioxide.

3. Meteors are called shooting stars.

Ans: The dust grains burn up , they leave bright streaks of light across the night sky. These streaks are called shooting stars or meteors.