



New words

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| 1. Planets | 9. Half moon |
| 2. Red planet | 10. Full moon |
| 3. Dwarf planet | 11. New moon |
| 4. Brightest planet | 12. Constellation |
| 5. Evening star | 13. Ursa major |
| 6. Satellite | 14. Orion |
| 7. Telescope | 15. Scorpio |
| 8. Craters | 16. Leo |

Pre-activity

Names the planets of the solar system.

QI: Differentiate between the following.

Q1. New moon and full moon

Ans. When we cannot see the moon at all, it is called new moon. When the moon is seen as a full circle, it is called full moon.

Q2. Satellite and planet

Ans. Satellite is an object that revolves around a planet. Example: moon Planet revolves around the sun. Example: Earth

QII. Give reasons for each of these.

Q1. Moon has no light of its own, yet it gives out light.

Ans. Moon reflects the sunlight that falls on it.

Q2. We cannot live on moon for long.

Ans. Moon has no air. Hence, we cannot stand there for long

Q3. The space travellers carry oxygen cylinders with them.

Ans. There is no air in the space. Hence, the space travellers carry oxygen cylinders with them.

Q.III Answer these questions in brief.

Q1. Describe the sun. Why does it appear so big?

Ans. The sun is actually a star that gives us heat and light. There are many stars in space but the sun is closest to our Earth. That is why it looks so big.

Q2. Name the planets of the solar system.

Ans. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune are the eight planets of the solar system.

Q3. What is a satellite? What is the Earth's satellite called?

Ans. Satellite is an object that goes around a planet. Moon is the Earth's satellite.

Q4. What is a constellation?

Ans. A group of stars forming a certain pattern in the sky is called constellation.

Q.IV. Answer these questions in Detail.

Q1. Describe the surface of the moon.

Ans. A lot of pits called craters are visible on the moon's surface. The moon also has mountains and valleys on its surface. There is no air or water on the moon so nothing can live or grow on it.

Q2. What are stars? Why do the stars appear so small?

Ans. Stars are made up of hot gases and produce heat and light. Stars are very big in size but appear small as they are very far away from us. Most of the stars you see in the night sky are actually bigger and brighter than the sun

Q V. Out of the box.

Q1. Why can't we see the stars during daytime?

Ans. The reason that you cannot see stars during the daytime is that the sun's rays overpower the faint light we see from the distant stars. During the night, when the sun's rays are blocked by the other side of the Earth, it is possible to see the faint light of the stars shining in space.

POST ACTIVITY:

Q. Draw solar system.

SUBJECT TEACHER

HOD

COORDINATOR

PRINCIPAL