



Hello students,

Hope you all are keeping well.

Stay at home 🏠 and be safe 🙏.

We want to engage you all in studies so that you all can utilise your time efficiently.

Today, we are sending you the first chapter of Geography-"Earth in the Solar System". A video will also be sent to you, so that you can understand the chapter well. Please go through the video carefully.

Write down the exercises **in good handwriting in your Geography copy.**

Fill in the blanks:-

1.Stars are very big and hot.

2.Our earth is a part of the galaxy called the Milky Way or Akash Ganga.

3.The moon takes about 27 days and 8 hours to rotate once on its axis.

4.The plains of the moon are also called Maria.

5.Planets do not have their own heat or light.

Match the following:-

1.Klemola :- comet

2.Constellations:- Patterns formed by groups of stars.

3.Asteroids:-Small bodies revolving around the sun.

4.Meteorites :-Meteors that reach the earth's surface.

5.Dwarf planet :- pluto

Answer in brief:-

Q1)What does the word 'planet' mean?

Ans:-The word planet comes from the Greek word 'Planetai' which means 'wanderers'.Planet is a large space object,which revolves around a star.

Q2)What is a geoid?

Ans:-Earth is a sphere which is slightly flattened at the poles and bulges slightly near the equator.Such a shape is called a geoid.

Q3)Define celestial bodies and meteorites?

Ans:-All objects that we see in the sky such as the sun,the moon and the stars are called celestial bodies.

Those meteors which are large enough to survive the burning ,as they pass through the Earth's atmosphere and reach the surface are called meteorites.

Q4)Name all the planets in order of their distance from the sun?

Ans:-Mercury,Venus,Earth,Mars,Jupiter,Saturn,Uranus and Neptune.

Q5)Why do we always see only one side of the moon?

Ans:-The Moon takes about 27 days and 8 hours to rotate once on its axis and about the same time to revolve around the Earth.As a result,the same side of the moon always faces the Earth,so we always see only one side of the moon.

Answer the following questions.

Q1)What is the composition of our solar system?

Ans:-The solar system is made up of the Sun,the eight planets and their satellites and other celestial bodies like the asteroids and comets.

Q2)What are meteors?How do they differ from meteorites?

Ans:-Many small objects enter the Earth's atmosphere each day and burn up before reaching the surface due to the heat generated by friction with air at their extremely high speeds.These are called meteors.

Meteors are different from meteorites because meteors burn up before reaching the earth's surface while meteorites survive the burning and reach the surface.

Q3)Why is the earth called 'the blue planet'?What makes it a unique planet?

Ans:-From outer space,the Earth appears blue because about 70 % of its surface is covered with water,so the earth is called the blue planet.

Earth is called a unique planet as it's the only planet in the solar system which can support life as it has air and water;both of which are important for living things.

Q4)What are phases of moon?Why do they occur?

Ans:-The increase and decrease in the visible portion of the moon are known as its phases.They occur because of the moon's revolution around the Earth,while being illuminated by the Sun from one side.

Q5)How does a planet differ from a star?

Ans:-Planets are the celestial bodies which revolves around a star while stars are the celestial bodies which are very big and hot.planets are made up of rocks while stars are made up of gases.Planets do not have their own heat and light while stars have their own heat and light.There are eight planets while stars are countless.