

Ln-11

OUR EARTH AND ITS NEIGHBOURS

I Technical words:

1. **Orbit** - The fixed path in which the Earth moves around the sun.
2. **Satellite** - A body that moves around a planet. Eg. The Moon is the Earth's satellite.

II Short answers:

1. What is a Constellation?

Ans A constellation is a group of stars that form a pattern in the sky.
Some constellations look like animals or objects.

They can be seen at night.

Example: The Great Bear and Orion.

2. Name the eight planets of the solar system.

The eight planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

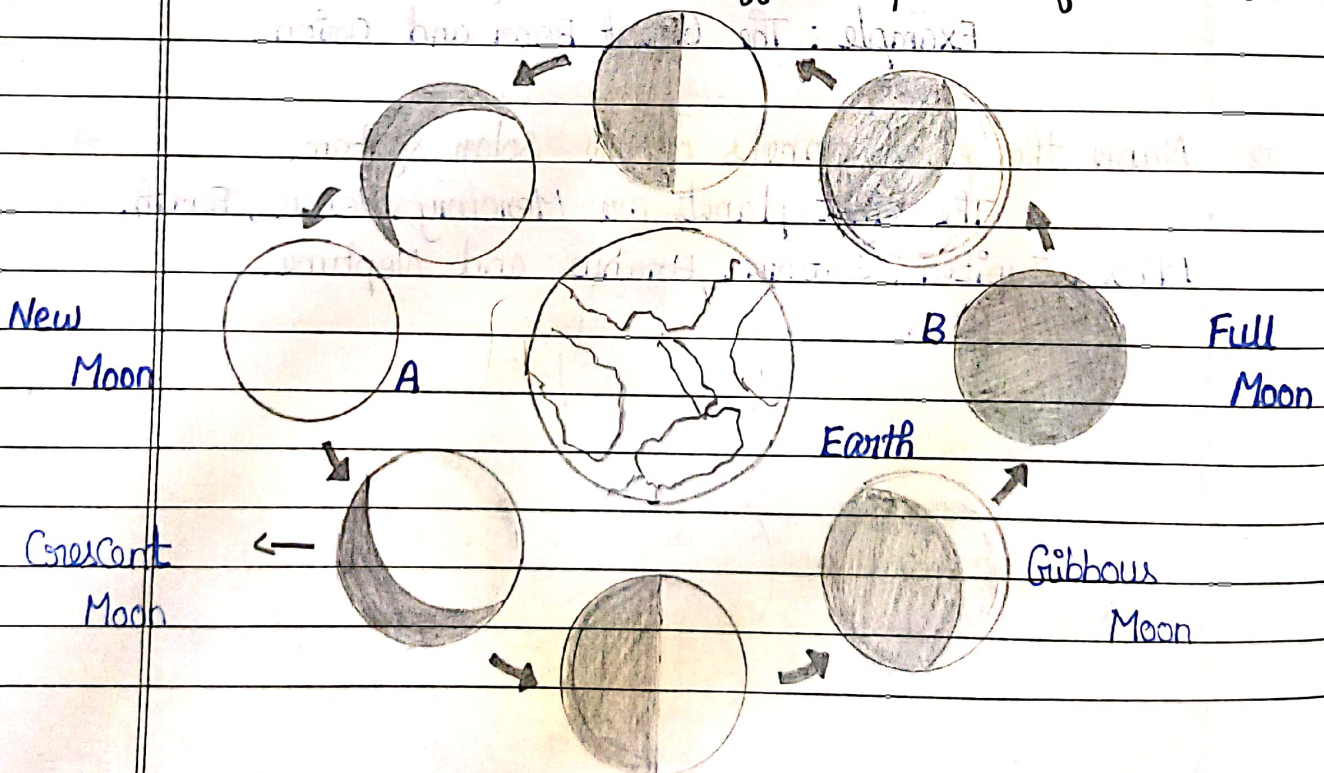
II Long answers:

1. Write out the difference

1. Difference between Rotation and Revolution.

S.No	Rotation	Revolution
1.	The Earth spins on its own axis	The Earth moves around the sun.
2.	It takes 24 hours to complete one rotation	It takes 365 days to complete one revolution.
3.	Rotation causes day and night	Revolution causes seasons
4.	The axis is an imaginary line through the Earth	The path around the sun is called an orbit.

2. Draw and label the different phases of the Moon.



IV Hots :

1. Out of Mercury, Earth and Neptune, which planet is the hottest and which is the coldest? Why?

Ans. Mercury is the hottest planet because it is nearer to the sun whereas Neptune is the coldest planet because it is farthest from the sun.

2. The sun is a star and we get heat and light from it. Why don't we get heat and light from the other stars in the sky?

Ans. We do not get heat and light from the other stars in the sky because they are very far away from our planet Earth.

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5/1/26

Ln-12

GOING INTO SPACE

I Technical words:

1. Astronaut - A person trained to travel and work in space
2. Spacecraft - A vehicle designed to travel in space.

II Short answers:

1. What is the force of attraction of the earth called?

* The force of attraction of the earth is called gravity.

* It pulls everything towards the earth.

2. Write about Indian women who have travelled into space.
Kalpana Chawla:

Kalpana Chawla was the first Indian woman to go into space

She went in 1997 in the space shuttle, Columbia.

Sunita Williams:

Sunita Williams was the second woman of Indian origin to go into space

She stayed in space in her spacecraft for 195 days.

III Long answers :

1. Write a short note on "Man on the Moon".

* Man went to the moon for the first time in 1969.

* The spacecraft was called Apollo 11.

* Neil Armstrong was the first man to step on the moon.

* He said, "That's one small step for man, but a giant leap for mankind."

* Edwin Aldrin and Michael Collins went with him.

2. Describe how astronauts travel and live in space.

Astronauts go into space in spacecraft.

They wear special space suits that give them air to breathe.

The suits also protect them from harmful rays.

Inside the spacecraft, astronauts do experiments and repairs.

They stay there safely until they return to Earth.

IV Hots :

1. Why do astronauts need to take air with them in spacecraft?

Ans There is no air in space to breathe.

So, they carry air supply inside the spacecraft.

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