**Class – vi**

**Subject – S.St.**

**Geography**

**Lesson – 1**

**The Earth and the solar system**

**Content**

1. Key words
2. Answer the following questions
3. Diagram

**Key words**

1. Orbit– a path used by a celestial body to revolve around another celestial body
2. Gravity– a force that attracts objects and things towards celestial bodies
3. Asteroid – small pieces of a planet moving in shape around the sun between the orbits of mars and jupiter

**Answer the following questions**

Ques-1 What are constellation? Give few examples.

Ans- A group of stars that make an imaginary shape in the night sky is called constellation.

Few examples are- the Cassiopeia, the Ursa Major, the Orion’s Belt, the Ursa Minor etc.

Ques-2 Why is the Earth called a geoid?

Ans- Earth is not absolutely spherical in shape. It is like a flattened ball, slightly bulging in the middle and slightly flat at the top and bottom. Such a shape is called a geoid thats why the Earth is called a geoid.

Ques-3 Why does Neptune appear blue in colour?

Ans- Neptune appears blue not due to the presence of water but due to the presence of methane gas.

Ques-4 What is the solar system? Write down the importance of the sun in our lives.

Ans- The sun along with its set of planets and other natural objects moving around it are jointly referred to as a system called the solar system.

**Importance of sun in our lives**

1. It is the biggest source of hot and light on the Earth. Without these the Earth would have been too cold to sustain life.
2. The heat and light from the sun is essential for plants to make their own food.
3. The sun is important as it helps in changing seasons on Earth.
4. The sun causes water and air currents which cause movements and weather.

Ques-5 Earth is a unique planet. Explain.

Ans- **A Unique Planet**

1. Earth is the only planet in the solar system where life exists.
2. It has water, land and air.
3. It is favourable to sustain life as it is not too cold and not too hot.
4. Presence of various gases like oxygen, carbon dioxcide and nitrogen in its atmosphere support life.

Ques-6 Why is life not possible on Earth’s Moon?

Ans- Life is not possible on the moon as it does not have any water or atmosphere of its own. Because of this there are no clouds, rain winds etc. on the moon.

Ques-7 What are planets? Name all the planets of the solar system.

Ans- Planets are celestial bodies which are solid in nature and revolve around a star. There are 8 planets in the solar system. These are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

**Activity**

\* Draw a diagram to show the planets of the solar system.