



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

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KOLKATA – 700 019

Class: IV

First Term



Social Study

Worksheet – 12

Date: 01.09.2020

Topic: Rotation of the Earth and Effects of Rotation

Answer the following questions

1 What is rotation?

Our planet Earth constantly spins on its axis. It spins from west to east. This movement is called rotation. The Earth completes one rotation in 24 hours. Rotation causes day and night.

2. What are the effects of Earth's rotation?

The effects of Earth's rotation are

- It causes day and night
- Due to rotation of the Earth temperature increases during day and decreases during night.
- Existence of life on the Earth is possible because of earth's rotation.
- The speed of the Earth's rotation affects the shape of the Earth.
- Earth's rotation makes the Sun to rise in the east and set in the west.

3 How is day and night caused?

The Earth is a sphere which spins around the sun. As it spins, one side of it faces the sun. The side facing the sun receives light and heat, so we call this a day. The side facing away is cooler and darker and it experiences night. As the Earth takes 24 hours to complete one rotation, each place on the Earth's surface has day and night in turn during these 24 hours.

4 Describe the Earth?

The Earth is flat at the top and bottom and bulging around the middle. The Earth spins around an imaginary line, called its axis. The axis of the earth is slightly tilted and passes through the centre of the Earth. The two end points of the axis are called the North Pole and the South Pole. An imaginary line around the middle of the Earth is called the Equator. It divides the Earth into Northern and Southern Hemisphere.

Sharmistha Sen
