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Tender Heart High School,
Sector 33B, Chandigarh

Class IV

Subject:- Social Studies

Teacher:- Mili Bhatnagar

Chapter 4
Motions of the Earth
Questions and Answers

Answer in brief

1. What is rotation?

Ans:- The spinning of the Earth on its axis once in twenty four hours is called rotation.

2. What is revolution?

Ans:- Revolution is the movement of the Earth in its orbit around the Sun.

3. What is the axis of the Earth?

Ans:- The Earth spins along an imaginary line called the axis.

4. How many hours does the Earth take to complete one rotation?

Ans:- The Earth takes twenty four hours to complete one rotation.

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1. How are days formed?

Ans:- The rotation of the Earth causes the formation of days and nights. As the Earth moves from west to east, the part of the Earth that faces Sun has day.

2. What causes the change in seasons?

Ans:- The revolution of the Earth around the Sun and the tilted axis of the Earth causes the change in seasons.

3. What is a leap year and how is it formed?

Ans:- A year that has 366 days is called as leap year. It takes 365 days and 6 hours for the Earth to complete one revolution around the Sun. Hence, a year has 365 days. The extra 6 hours per year are added every four years to form an extra day in February, which make a leap year.

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4. Why does the northern hemisphere have summer when the southern hemisphere has winter?

Ans:- As the Earth revolves around the Sun from April to June due to the tilt of the Earth, the northern hemisphere of the Earth tilt towards the Sun, while the Southern hemisphere moves away from the Sun. The northern hemisphere receives more heat as compared to southern hemisphere. So northern hemisphere has summer and southern hemisphere has winter.

Fill in the blanks

1. west, east
2. axis
3. winter
4. 365, 6

Write True or False

1. False
2. True
3. False
4. True