

PARAGON CONVENT SCHOOL

CLASS – 5 (SOCIAL STUDIES)

CHAPTER – 3

MOVEMENTS OF THE EARTH –THEIR EFFECTS

TEXTBOOK WORK

- **FILL IN THE BLANKS (page no – 17)**

Rotation , revolution

- **MCQ (page no – 18)**

B) 366

- **ORAL QUESTIONS**

1) What is a leap year ?

The Earth completes one revolution around the Sun in $365\frac{1}{4}$ days .We have only 365 days on our calendar. The $\frac{1}{4}$ day of every year is added to make one extra day and then , this extra day is added to the month of February after every four years. Such a year is called a leap year.

2) What causes day and night ?

The rotation of the Earth on its own axis causes day and night .

- **TEST YOURSELF**

1) C

2) B

- **A) MCQs**

1) C

2) C

NOTEBOOK WORK

- **B) A SINGLE WORD OR A PHRASE FOR EACH OF THE FOLLOWING.**

1) The imaginary line on which the Earth rotates

Axis.

2) The time taken by the Earth to complete one revolution

365^{1/4}days.

3) This causes day and night

Rotation of the Earth on its own axis.

- **C) WRITE SHORT ANSWERS.**

1) What are the two movements of the Earth ?

Rotation and revolution are the two movements of the Earth.

2) Name the four main seasons.

The four main seasons are the summer, winter, spring and autumn.

3) When it is summer in the Northern Hemisphere, which season does Northern Hemisphere experience.

When it is summer in the Northern Hemisphere, the Southern Hemisphere experiences the winter season.

• **D) ANSWER THE FOLLOWING QUESTIONS.**

1) Explain the terms a) axis. b) orbit.

a) Axis :- It is an imaginary line drawn through the centre of the Earth joining the north and the South poles. It is tilted at an angle of $66\frac{1}{2}^\circ$ to the plane of the Earth's orbit.

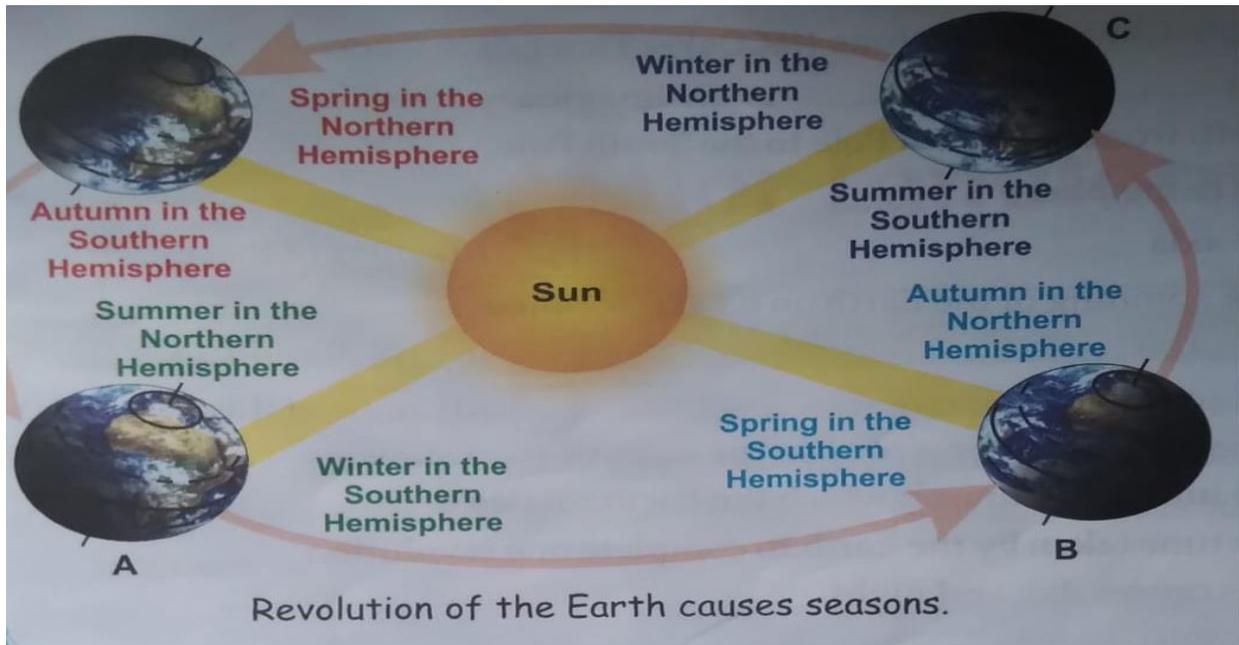
b) Orbit :- It is the fixed path on which the Earth revolves around the Sun.

2) Discuss the effect of rotation.

The rotation of the Earth causes day and night. When the Earth rotates, only one part of the Earth faces the Sun, while the other part remains away from the Sun. The part facing the Sun receives sunlight and has day, while the other part is in darkness and has night. As the Earth rotates from west to east, the Sun seems to rise from the east.

3) How are seasons caused ? Explain with the help of a diagram.

Seasons are caused due to the revolution of the Earth on a tilted axis around the Sun. The part of the Earth that faces the Sun , experiences summer while the other part experiences winter.



4)What is a leap year ? How is it caused ?

A year with 366 days is known as a leap year. It is caused because the Earth completes one revolution around the sun in $365\frac{1}{4}$ days and we have only 365 days on our calendar . The $\frac{1}{4}$ day of every year is added to make an extra day. This extra day is added to the month of February after every four years.

Therefore, after every four years, February has 29 days instead of 28 days. This addition increases the days in a year , i.e., 365 days to 366 days , making it a leap year.