

## Chapter 4

### Our Earth

#### Oral question

1. How does the Earth look like?
2. The Earth looks like a spherical ball .

#### Write short answers

1 How did the Earth begin?

Ans: As the Earth kept spinning very fast, the hot gases cooled down and the surface of the Earth became cold, hard and solid.

2 What is axis?

Ans: An axis is an imaginary line that runs from North Pole to South Pole and passes through the centre of Earth

3 Define the following in short (a) magma (b) equator

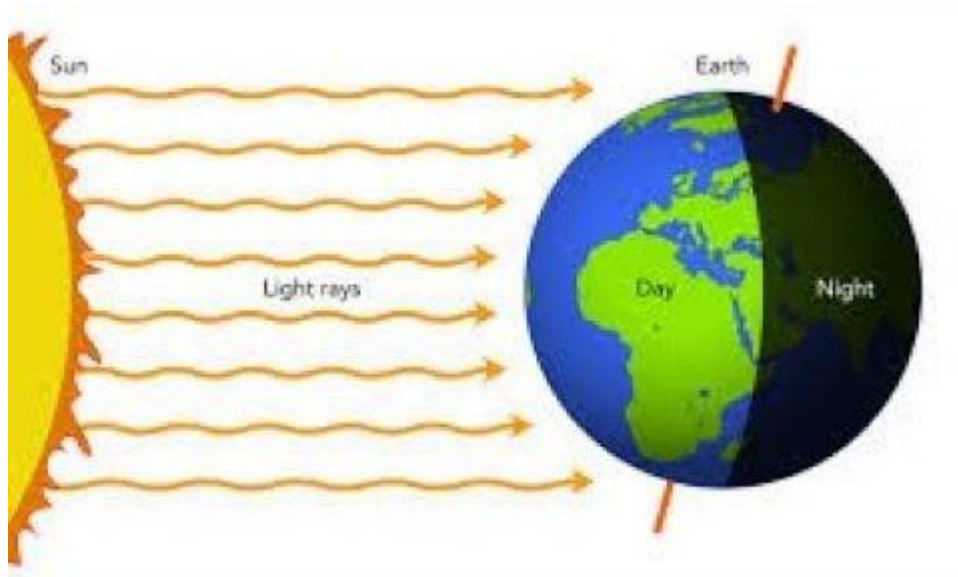
a) Magma - The molten rocks that lie in the mantle is called magma .

b) Equator – The imaginary line that divides Earth into two equal halves is called Equator .The part of Earth above equator is called Northern hemisphere and the part of Earth below the equator is called Southern hemisphere.

#### Answer the following questions:

1. How does rotation causes day and night? Explain with the help of a diagram.

Ans: During rotation of the Earth half part that faces the Sun has day and the other half that is away from the Sun has night. In this way rotation causes day and night.



2 How much time does the Earth take to revolve around the Sun? What does it cause?

- The Earth takes 365 days and 6 hours to revolve around the Sun.
- Revolution of the Earth causes change in season.

3. Why does the Earth appear to rise in the east and set in the west?

Ans: The Earth rotates from west to east on its axis. Therefore the Sun appears to rise in the east and set in the west.

4. Why is there summer in the hemisphere that is tilted towards the Sun?

Ans: The hemisphere that is tilted towards the Sun gets direct Sun rays so it is warm and has summer.

5 Rama sleeps late at night and wakes up late in the morning .Do you think it is a good habit?

Ans: No ,it is not a good habit . One should sleep early at night and wake up early in the morning .It helps in making the body and mind healthy.

**Hots Question**

1. During which season do (a) Australia (b) Canada celebrate Christmas? Why does this happen?

Ans: Australia celebrates Christmas during summer season because –

- Australia lies in Southern Hemisphere.
- During this time Southern hemisphere is tilted towards the Sun and gets direct Sun rays.
- This makes days warm .Hence Australia has summer during Christmas.

Canada celebrates Christmas during winter season because –

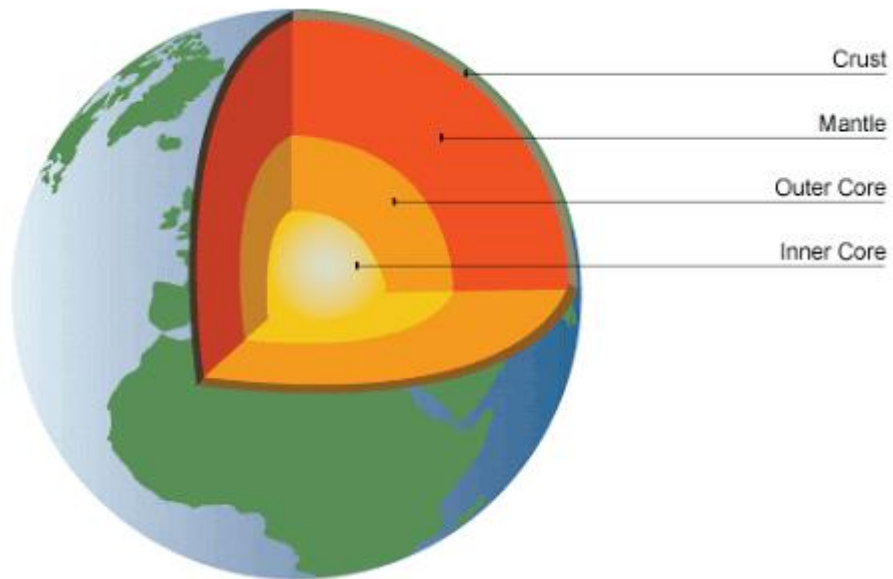
- Canada lies in Northern Hemisphere
- At this time Northern Hemisphere is away from the Sun and gets slanting Sun rays.
- It has winter.
- Therefore Canada celebrates Christmas during winter season.

Draw a neat diagram of-

a) Structure Of Earth.

b) Imaginary Lines Of The Earth.

A-



## Structure Of Earth.

B.

