

St. Andrews Scots Sr. Sec. School
9th Avenue I.P. Extension Delhi-92
Session-2024-25

Class-V

Subject-Social Science

L-3 Motions of Earth

New Words

1. imaginary
2. exposed
3. constantly
4. extremes
5. thrive
6. vice versa
7. revolution
8. reverse
9. experience
10. hemisphere

Define the following terms

1. **rotation**- the motion of the earth spinning on its axis .
2. **revolution**- the earth's movement around the sun .
3. **orbit** - the path followed by the Earth around the sun.

Fill in the blanks

1. The Earth rotates once in about **24 hours** or one day .
2. Day and night are produced by the **rotation** of the Earth .
3. A Polar day and a Polar night are about **6 months** each .
4. **Japan** is called the Land of rising Sun .

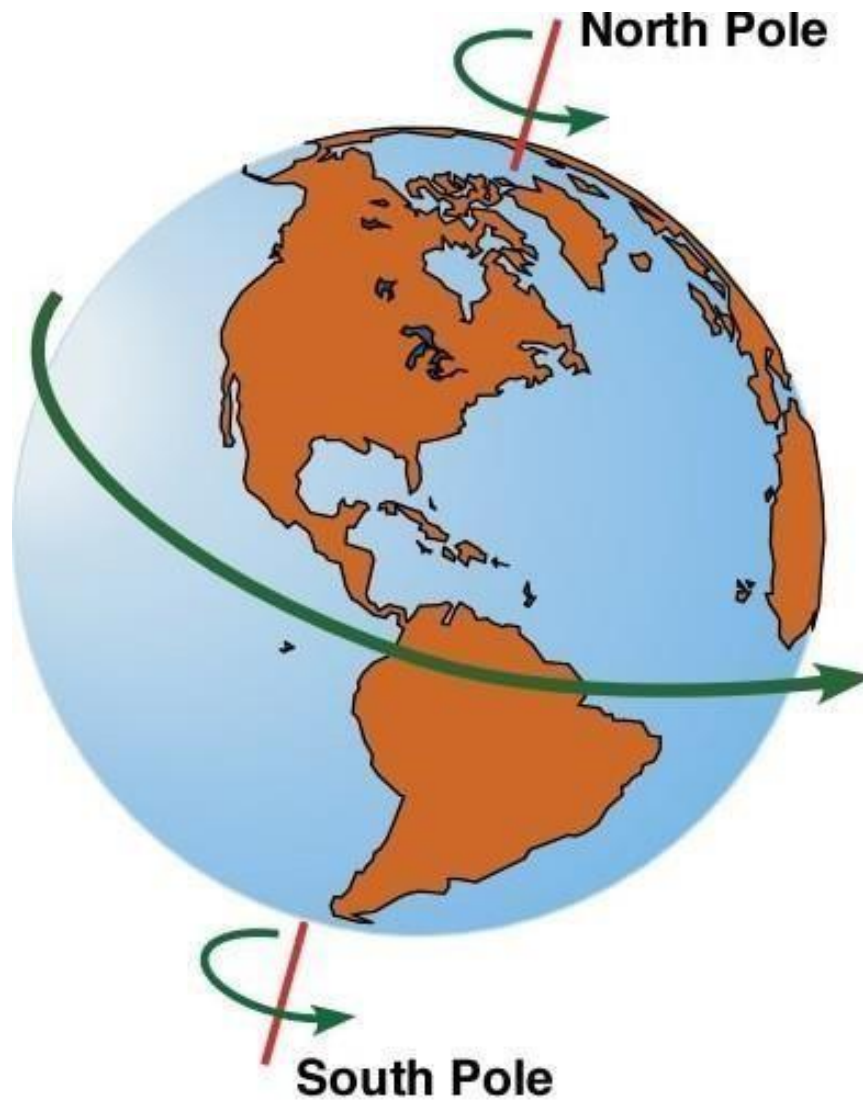
5. The Earth actually takes **365 days and 6 hours** to go around the Sun .

6. The revolution of the earth causes change in **seasons** .

Answer these questions

Q1- What is rotation of the Earth ? Draw diagram .

Ans- The movement of the Earth on its axis is called rotation . The Earth completes one rotation in 24 hours .



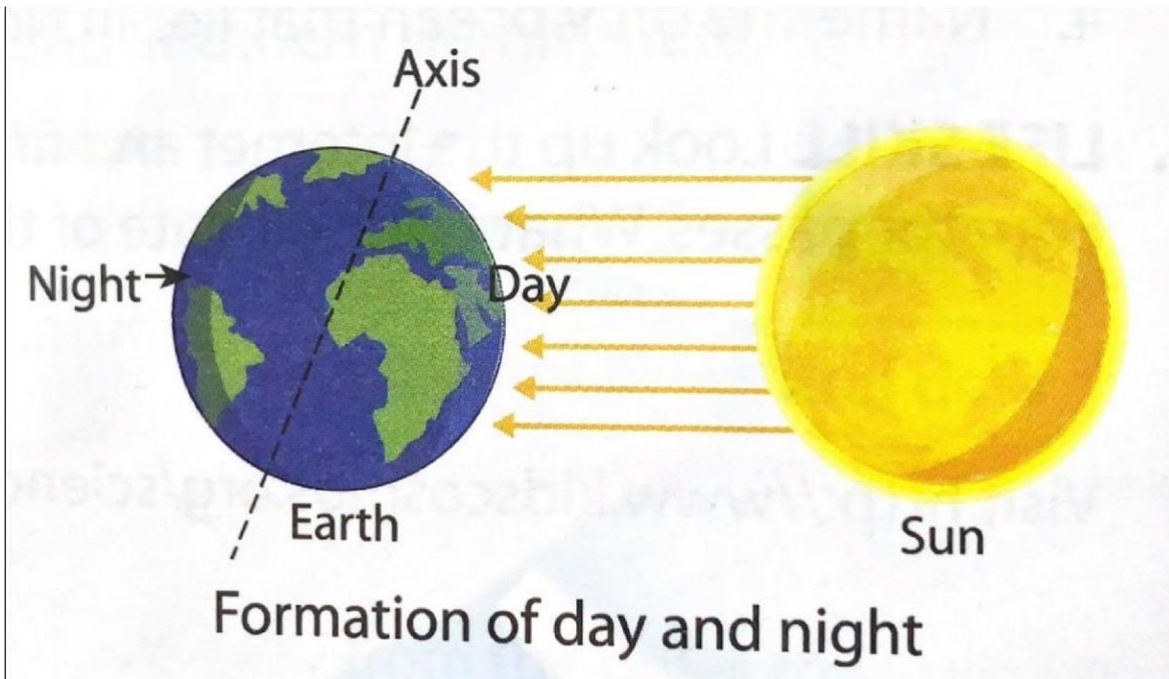
Rotation of the Earth Q2-

How are days and nights formed ?

Ans- 1. The rotation of the Earth produces the pattern of day and night as different parts of the earth are exposed to sunlight .

2.The Sun is always shining on one part of the Earth . This is called day.

3. The part of the Earth not facing the Sun is in darkness or night .



Q3- What would have happened if the Earth did not rotate on its axis ?

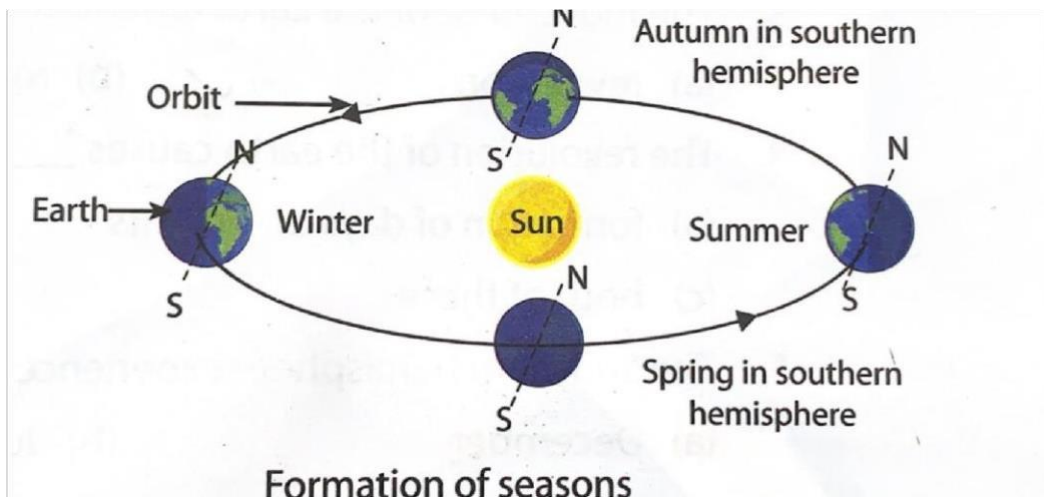
Ans- 1.If there had been no rotation of the Earth ; one half of the Earth would have been constantly in daylight and another half would have been constantly in dark . 2. The portion under sunlight would have been too hot . On the other hand ,the portion in dark would have been freezing cold .
3. Such extremes of temperature could have made it impossible for life to thrive on our planet .

Q4- What is revolution ?

Ans- The movement of the earth around the Sun is called revolution . The Earth completes one revolution in 365 days and 6 hours .

Q5- How do seasons change ? Draw diagram.

Ans- The revolution of the Earth causes change in seasons . It results in four seasons - summer, autumn, winter and spring .



Caption

Think and answer

Q- Which season do we experience in India in the month of June ? Why ? **Ans-** In India , we experience summer season in the month of June . This is because India is in the Northern hemisphere which experiences summer in June .