

**St. Andrews Scots Sr. Sec. School**  
**9<sup>th</sup> Avenue I.P. Extension Delhi-92**  
**Session-2025-26**

**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**

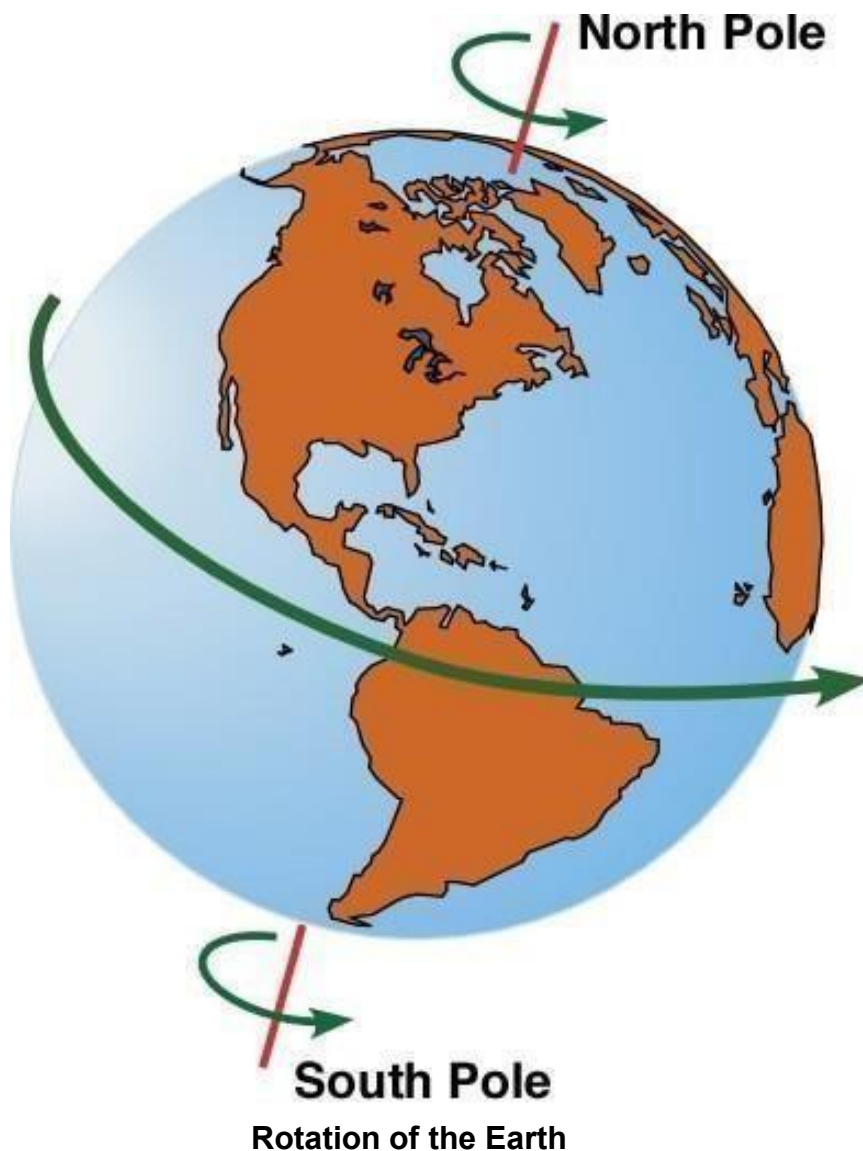
1. The Earth rotates once in about **24 hours** or one day .
2. Day and night are produced by the **rotation** of the Earth .
3. A Polar day and a Polar night are about **6 months** each .

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 .



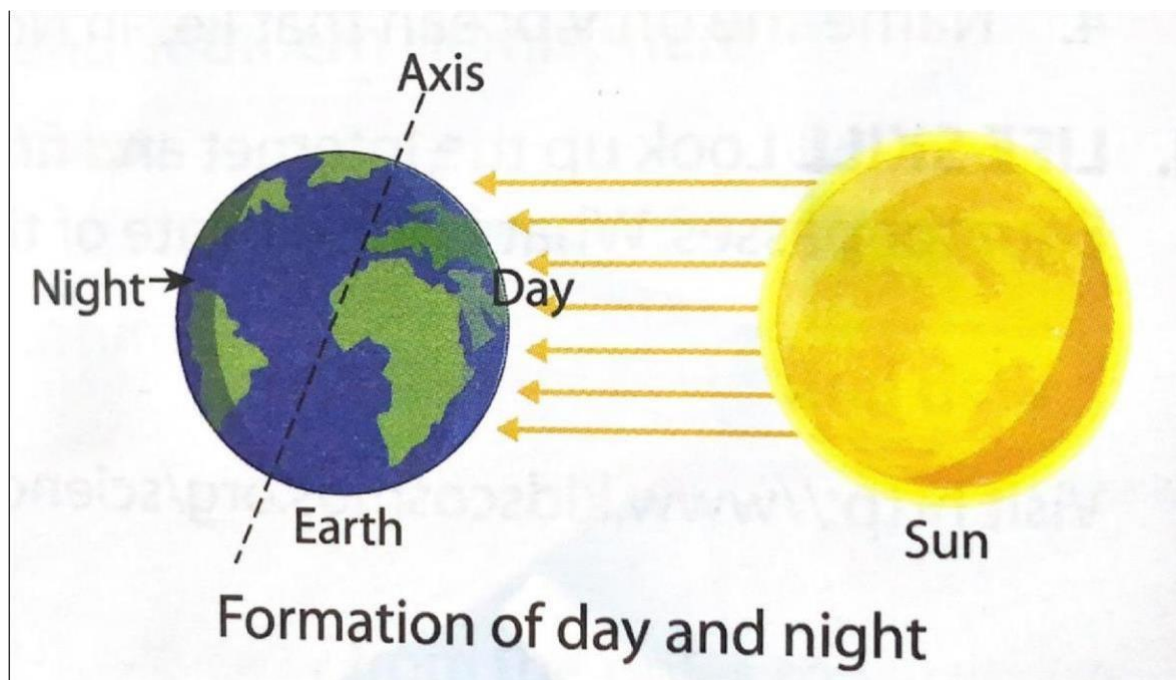
**Q2-** How are days and nights

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-** .1If 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 .

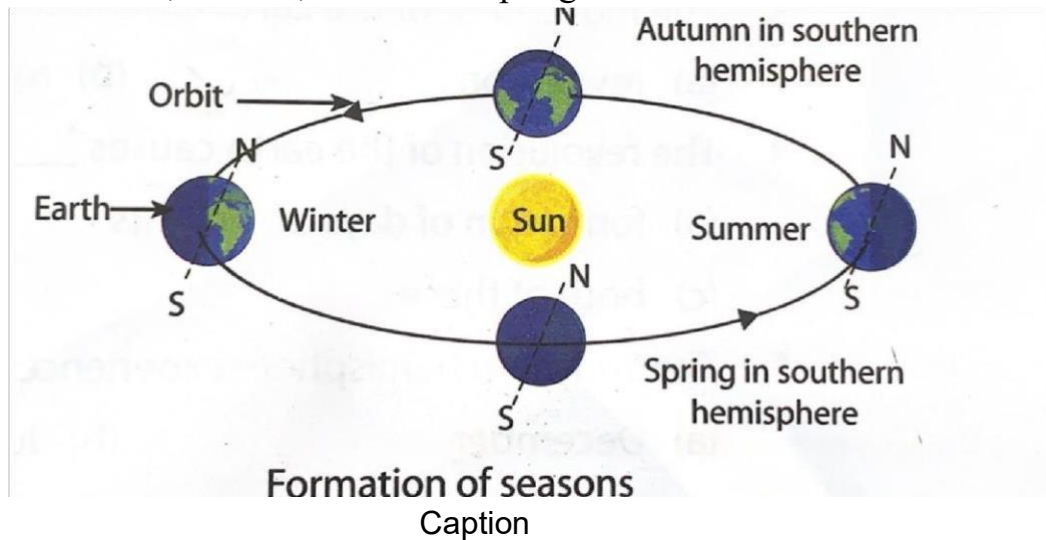
3. Such extremes of temperature could have made it impossible for life to thrive on our planet .

**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 .



### **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 .