

# St. Andrews Scots School

Adjacent Navniti Apartment, 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. viceversa
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

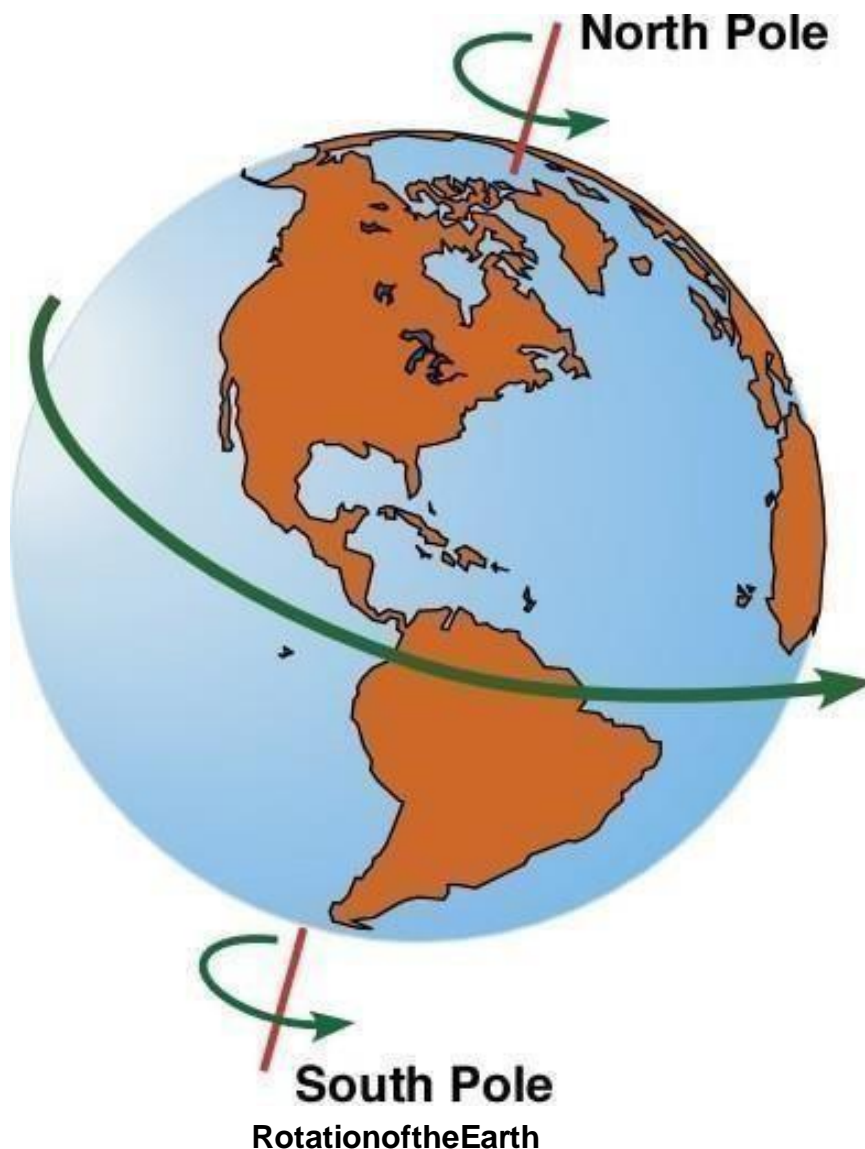
1. The Earth rotates once in about **24hours** or one day.
2. Day and night are produced by the **rotation** of the Earth.
3. A Polar day and a Polar night are about **6months** each.

4. **Japan is** called the Land of rising Sun .
5. The Earth actually takes **365 days and 6hours** to go around the Sun .
6. The revolution of the earth causes change in **seasons**.

**Answer these questions**

**Q1-** What is rotation of theEarth ? Draw diagram.

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

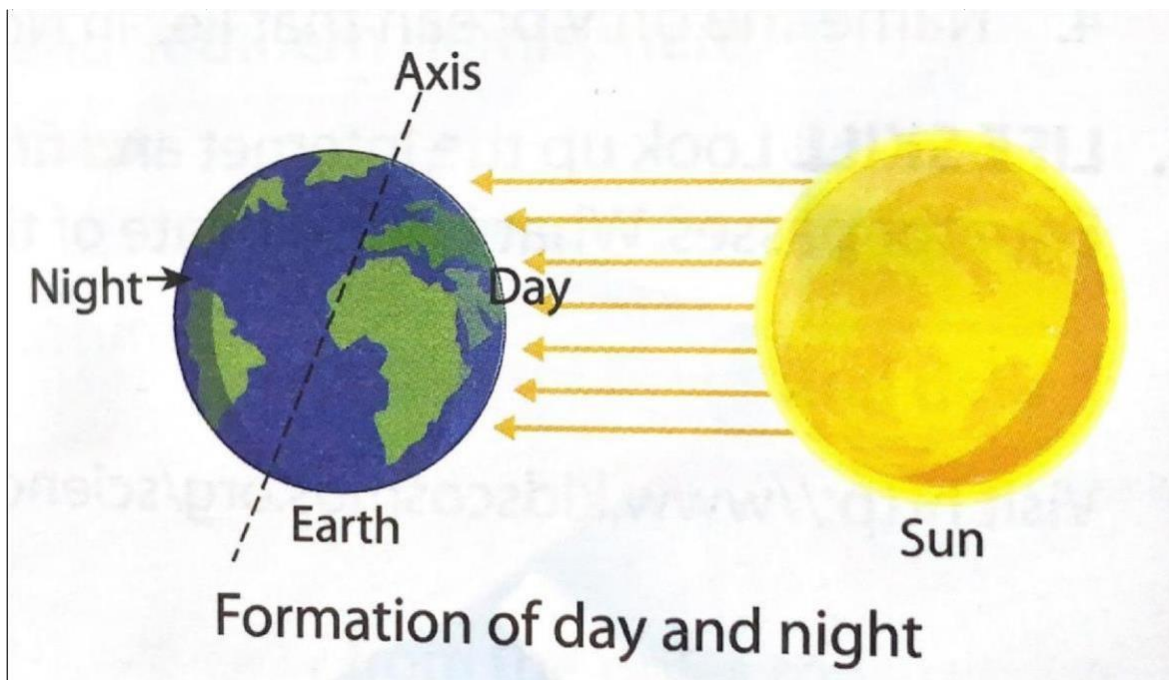


**Q2-**How are days and nights formed?

**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-1.**If there had been no rotation of the Earth; one half of the Earth would have been constantly in day light and a nother 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 .

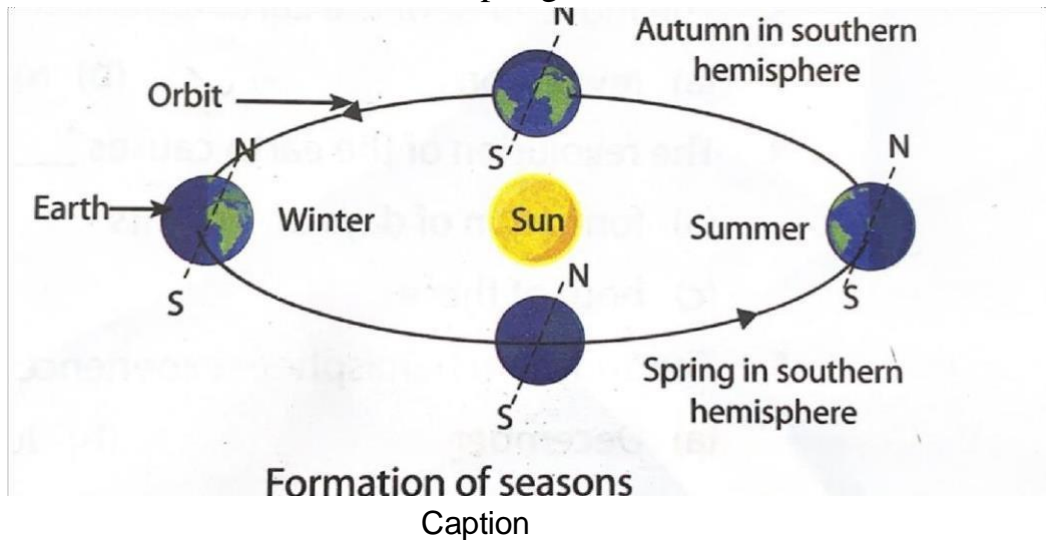
3. Such extremes of temperature could have made it impossible for life to thrive on our planet .

**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 .