



CLASS NOTES-ANSWERS

I. Rearrange the jumbled words.

1. TAINORTO

4. XIOQUEN

2. OUONTILERV

5. LNARVE

3. LOTSECSI

Answers:

1. ROTATION

4. EQUINOX

2. REVOLUTION

5. VERNAL

3. SOLSTICE

II - The underlined word in each sentence is incorrect. Replace it with the correct word.

1. The movement of the earth on its axis is called season.

2. The Earth takes 28 hours to complete one rotation.

3. The revolution of the Earth causes day and night.

4. The movement of the Earth around the Moon on its orbit is called revolution.

5. Seasons change because of the Earth rotation around the Sun.

Answers:

1. The movement of the earth on its axis is called rotation.



2. The Earth takes 24 hours to complete one rotation.
3. The rotation of the Earth causes day and night.
4. The movement of the Earth around the Sun on its orbit is called revolution.
5. Seasons change because of the Earth revolution around the Sun.

III - Answer the following questions.

1. In which direction does the Earth rotate?

Ans: The Earth rotates from west to east.

2. Write the main difference between rotation and revolution.

Ans: Rotation is the movement of the Earth on its own axis. Revolution, on the other hand, is the movement of the Earth around the Sun on a fixed orbit.

3. How many days are there in the month of February in a leap year?

Ans: The Earth takes one year or $365\frac{1}{4}$ days to complete one revolution. However, we consider one calendar year to have 365 days. The balance $\frac{1}{4}$ day (or 6 hours) is added up for four years in a row. This becomes an additional 24 hours or one day. Hence, once in every four years, this extra day is added to the month of February. As a result, in that year February has 29 days, which is called a leap year. We have 366 days in a leap year. Therefore, any year divisible by four is a leap.



4. Why does the Northern Hemisphere have winter in December?

Ans: Northern Hemisphere has winter in December because during that time, the North Pole is tilted away from the Sun during the Earth's revolution.

5. What is a solstice?

Ans: The meaning of solstice is 'Sun stands still'.

IV – Think It Over! (HOTS)

The Sun gives almost the same amount of heat and light throughout the year, but some months are cold while others are hot. Do you know why?

Answer: The Earth revolves around the Sun with its axis slightly in slanted position. As the tilted Earth moves, a certain part of it gets closer to the Sun and the other part is far away from the sun.

So, we do not get equal amount of Sun's ray and some months are hot and some are cold even though the Sun gives same amount of heat through the year.