



# INDIAN SCHOOL AL WADI AL KABIR

<b>Class: VI</b>	<b>Department: SOCIAL SCIENCE</b>	<b>Date of submission:</b>
<b>Worksheet No: 7</b>	<b>Topic: Motions of the Earth</b>	<b>Year:2020-21</b>

<b>I</b>	<b>Fill in the blanks</b>
1	Days and nights occur due to ..... of the earth. <b>Rotation</b>
2	Only half of the earth gets light from the sun at a time due to its..... shape. <b>Spherical</b>
3	The period of rotation is known as the ..... <b>Earth day</b>
4	The sun's rays fall vertically at the Tropic of..... on 22nd December. <b>Capricorn</b>
5	On ..... it is autumn season in the Northern Hemisphere and spring in the Southern Hemisphere. <b>23rd September</b>
<b>II</b>	<b>State whether True or False</b>
1	Every fourth year, February is of 29 days instead of 28 days. <b>True</b>
2	Season changes due to the change in the position of the earth around the sun. <b>True</b>
3	When there is summer in the Northern Hemisphere, it is spring in the Southern Hemisphere. <b>False</b>
4	Life is not possible in extreme conditions. <b>True</b>
<b>II</b>	<b>Answer The Following</b>
1	Which motion of earth is associated with the changes in season? <b>Revolution</b>
2	How does leap year occur? <ul style="list-style-type: none"><li>• The Earth takes 365 days which is one year to complete one revolution around the sun.</li><li>• We consider a year has 365 days only and ignore the six hours for our convenience.</li><li>• These six hours are saved every year and are added to make one day over a period of four years.</li><li>• This surplus day is added to the month of February and thus every fourth year; February has 29 days instead of 28 days.</li><li>• Such a year with 366 days is called a leap year.</li></ul>

3

What would happen if the earth did not rotate?

- **If the earth did not rotate then the portion of the earth facing the sun would always experience day, and thus there would be continuous warmth in the region.**
- **At the same time the other half would always remain dark and be freezing cold all the time.**
- **These are extreme conditions which are not suitable for life and thus, we can say that if the earth did not rotate life would not have been possible.**