



## INDIAN SCHOOL AL WADI AL KABIR

<b>Class: VI</b>	<b>Department: SOCIAL SCIENCE</b>	
<b>Worksheet No:8</b>	<b>Topic: Motions of the Earth ( Geo)</b>	<b>Year: 2021-22</b>
<b>I</b>	<b>Multiple Choice Questions: -</b>	
1	The places beyond the Arctic Circle experience continuous daylight for six months during- (a) Equinox (b) Winter Solstice (c) <b>Summer Solstice</b> (d) None of these.	
2	Equinox occurs in the months of - (a) June and December (b) <b>March and September</b> (c) March and December (d) None of these.	
3	Every year, the time span of six hours is added to make a day over a span of - (a) Two years (b) <b>Four years</b> (c) One year (d) Three years.	
4	The imaginary line that makes an angle of $66\frac{1}{2}^{\circ}$ with the orbital plane (a) <b>Earth's axis</b> (b) Longitude (c) Latitude (d) None of these.	
<b>II</b>	<b>Fill in the blanks: -</b>	
5	The Day and the night occur due to the <u>rotation</u> of the earth.	
6	The sun rays fall vertically on the Tropic of <u>Capricorn</u> on 22nd December.	
7	The Longest day and the Shortest night occur on 21 <sup>st</sup> June in the <u>Northern Hemisphere</u> .	
8	Season changes due to the change in the position of the <u>earth</u> around the sun.	
<b>III</b>	<b>Write True or False: -</b>	
9	The Period of rotation is known as the earth day. <b>True</b> or False.	
10	The rays of the Sun fall directly on the Poles. <b>True</b> or <b>False</b> .	
11	An year with 366 days is called a leap year. <b>True</b> or False.	
<b>IV</b>	<b>Answer in brief: -</b>	
12	What is the Circle of Illumination? The circle that divides the day from night on the globe is called the circle of illumination.	
13	What are the two types of the motions of the earth? The two types of the motions of the earth are rotation and revolution.	
<b>V</b>	<b>Answer in detail: -</b>	
14	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.	
15	How does leap year occur? ●The Earth takes 365 days which is one year to complete one revolution around the sun. ●We consider a year that has 365 days only and ignore the six hours for our convenience. ●These six hours are saved every year and are added to make one day over a period of four years.	

- This surplus day is added to the month of February and thus every fourth year February has 29 days instead of 28 days.
- Such a year with 366 days is called a leap year.