

## INDIAN SCHOOL AL WADI AL KABIR

Class: VI	Department: Social Science	Sub: Geography
Worksheet No - 6	Topic: Motions of the Earth	Year: 2022-2023

1	Multiple Choice Questions: -		
1	The movement of the Earth on its own axis is called as		
	a) Revolution b) orbit c) <b>Rotation</b> d) Equinox		
2	The plane formed by theis known as the orbital plane.		
	a) Leap year b) Axis c) <b>Orbit</b> d) Earth day		
3	The earth takes to complete one rotation around its axis.		
	a) 60 minutes b) 20 hrs c) <b>24 hrs</b> d) 19 hrs		
4	The daily motion of the earth is called		
	a) Rotation b) Revolution c) Equinox d) Earth day		
5	The changes in seasons is due to the change in the position of the around the sun.		
	a) Moon b) Earth c) Soil d) North Star		
11	State True or False :-		
6	The axis of the earth makes an angle of 60½° with its orbital plane. False		
7	On 21st June, the Northern Hemisphere is tilted towards the sun. True		
8	The longest day and the shortest night occur on 21st July on the Northern Hemisphere. False		
9	The sun's rays fall vertically on the Tropic of Capricorn on 21 <sup>st</sup> of December. False		
10	On 23rd September, it is autumn season in the Northern Hemisphere and spring in the Southern		
	Hemisphere. True		
111	Match the following: -		
	A B		
11	Summer Solstice a. 366 days		
12	Equinox b.21 <sup>st</sup> June		
13	Leap year c. Earth Day		
14	Period of rotation d.21 <sup>st</sup> March and 23 <sup>rd</sup> September		
	e. 22 <sup>na</sup> December		
	ANS. 11-b 12-d 13-a 14-c		
IV	Answer in brief: -		
15	Why do the areas near the poles receive less sun rays?		
	It is because the rays of the sun are slanting on the poles.		
16	What would happen if the earth did not rotate?		
	<ul> <li>In such a condition the portion of the earth facing the sun would always experience</li> </ul>		
	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.		
	• Thus, we can say that if the earth did not rotate life would not have been possible.		
17	How does leap year occur?		
	The earth takes 365¼ days one year to complete one revolution around the sun.		
	We consider a year as consisting of 365 days only and ignore six hours for our convenience.		
	> Six hours saved every year are added to make one day 24 hours over a span of four		
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21	The above diagram shows the rotation of the Earth. (True or False)
	False.
22	Name the four seasons in an year.
	Summer, Winter, Spring and Autumn.
23	On which dates, do the sun ray's fall directly on the Equator? What is it called?
	23 <sup>rd</sup> September and 21 <sup>st</sup> March. Equinox.
24	Days and nights are caused due to <b>rotation</b> and changes in the seasons due to <b>revolution</b> .