3. Movements of the Earth

Worksheet 1

A Say if the following are True or False:

1. Nicolas Copernicus said the Earth is not stationary and is not the centre of the Universe.
2. The Earth's rotation is from the east to the west.
3. At the Equator, nights and days are of equal length.
4. The Spring Equinox falls on 21st June every year.
5. A solstice is the time when the sun's rays are vertical on the Equator.

B Select the correct answer to complete each statement below:

1. When the Earth in its orbit is furthest from the Sun, it is said to be in _____
   (a) perihelion (b) aphelion
2. The Earth's distance from the Sun is not the cause of _____
   (a) seasons (b) daylight
3. The Summer Solstice occurs on 21st June when the _____ is inclined towards the Sun.
   (a) South Pole (b) North Pole
4. The Earth's diameter at the Equator is more than at the Poles because of the speed of its _____
   (a) revolution (b) rotation
5. In the Northern hemisphere the Winter Solstice falls on _____
   (a) 22nd December (b) 23rd September

C Answer the following questions briefly:

1. How many days are there in a leap year? _____
2. On which day is the Earth generally closest to the Sun? _____
3. How long is the day at the North Pole on 21st June? _____
4. Which movement of the Earth causes tides? _____

Worksheet 2

A **Draw a diagram showing the position of the Earth with reference to the Sun during the Autumn Equinox.**

B **Draw a diagram showing the difference between the rotation and the revolution of the Earth.**