



Globe: Longitude and Latitude

Grade: VI

Question and Answer

1. Why do we have the concept of time zone?

Ans: the earth rotates from west to east, the time at places to the east of Greenwich will be ahead of the Greenwich time and those to the west will have time that is behind it. To avoid such an awkward system, we have the system of time zones, so that everywhere a particular time means the same stage of the day.

2. Explain about Heat Zone.

Ans: Heat zones are the different zones of the earth, where the sun's rays fall differently, thus causing different climate patterns. These zones are called the Torrid Zone, the two Temperate Zones, and the two Frigid Zones. The Torrid Zone is very hot since the sun shines overhead here. The Temperate Zones maintain a moderate climate, and the Frigid Zones are extremely cold.

3. Write important Parallels of Latitude.

Ans: The important parallels of latitude are: Equator (0°), Tropic of Cancer ($23\frac{1}{2}^\circ$ N) in the northern hemisphere, Tropic of Capricorn ($23\frac{1}{2}^\circ$ S) in the southern hemisphere, Arctic Circle ($66\frac{1}{2}^\circ$ N) in the northern hemisphere, Antarctic Circle ($66\frac{1}{2}^\circ$ S) in the southern hemisphere, North Pole (90° N) in the northern and South Pole (90° S) in the southern hemisphere.