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Chapter Name:
Earth in the Solar system

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a. What is the true shape of the Earth?

Ans: The true shape of the Earth is referred to as like a spheroid flattened at the poles.

b. What is a globe?

Ans: A globe is a three dimensional model of the Earth in miniature.

c. What is the latitudinal value of the Tropic of Cancer?

Ans: The latitudinal value of the Tropic of Cancer is $23\frac{1}{2}^{\circ}$ N from the equator.

d. What are the three ^{temperature heat} zones of the Earth?

Ans: The three temperature zones of the Earth are: torrid zone, temperature zone and the frigid zone.

e. What are the parallels of latitude and meridians of longitudes?

Ans: Parallels are imaginary parallel circles from the equator to the poles, whereas Meridian of longitude are imaginary semi-circle lines running from the North pole to South pole.

f Why does the Torrid Zone receive the maximum amount of heat?

Ans: The Torrid zone receive the maximum amount of heat due to the direct rays of the sun.

g Why is it 5:30 P.M. in India and 12:00 noon in London?

Ans: India and the London lie on the different longitudes. Each degree of longitude corresponds to a difference of four minutes. This is because the Earth rotates 360° in 24 hours, 1° in 4 minutes. The standard meridian of India is $82^\circ 30'E$, and that of London is 0° , This means a difference of 4 minutes $\times 82.5 = 330$ minutes = 5.5 hours. So when it 12 noon in London, it is 5:30 P.M. in India.