

Homework.

(A) What is the true shape of the Earth?

A- The earth is not a perfect ~~sphere~~ sphere. It is slightly flattened at the North and the South poles and bulge in the Middle.

(B) What is a globe?

A- A globe is a miniature model of the Earth.

(C) What is the latitudinal value of the ~~the~~ Tropic of Cancer?

A- The latitudinal value of the Tropic of Cancer is $23\frac{1}{2}^{\circ}$ N.

(D) What are the three Heat zones of the Earth?

A- The three heat zones of the Earth are:

- Torrid zone

- Temperate Zone
- Frigid Zone

(E) What are the parallels of latitude and meridians of longitudes?

A- Parallels of latitude: These are all the imaginary parallel circles from the equator to the poles.

• Meridian of longitude: These are the imaginary semi-circle lines running from the North pole to the South pole.

(F) Why does the ~~torrid~~ torrid zone receive the maximum amount of heat?

A- The torrid zone lies between the tropic of cancer and tropic of capricorn. The sun is exactly over the head ~~once~~ once a year, on all the latitudes between these two tropics. The sun rays falling exactly over head gives out more heat than slanting sun

rays. Therefore, the torrid zone receives the maximum amount of heat.

(7) Why is it 5:30 pm in India and 12:00 noon in London?

A- London is situated at 0° longitude where as the Indian standard meridian is located $82\frac{1}{2}^\circ$ east of the prime Meridian. Thus, between the longitude of London and the standard Meridian, of India, there is a difference of $82\frac{1}{2}^\circ$. Since, each degree of longitudes corresponds to a difference of four minutes that is, 1° count for 4 minutes therefore the India standard Time (IST) is 5 hours and 30 minutes ahead of GMT Followed in London. So, it will be 5:30 p.m. in India, when it is 12:00 noon in London.