

North Pole



Arctic circle

75°N
66 1/2°N
60°N

45°N

Tropic of Cancer

30°N
23 1/2°N
15°N

Equator

0°

Tropic of Capricorn

15°S
23 1/2°S
30°S

Antarctic Circle

45°S
60°S
66 1/2°S
75°S

South Pole

Ch-1 - The Globe - A Model of the Earth

A. Fill in the blanks.

1. The Earth rotates along an imaginary line called the axis.

2. The Earth is divided into two hemispheres along an imaginary line called the Equator.

3. Latitudes are lines that run parallel to the Equator.

4. On a globe, the lines running between the two poles are called longitudes.

5. The latitude marked $23\frac{1}{2}^{\circ}$ S is known as the Tropic of Capricorn.

6. The meridian marked 0° is called the Prime Meridian.

B. Match the following.

- | | |
|---------------------|------------------------------|
| 1. Arctic Circle | a. $23\frac{1}{2}^{\circ} N$ |
| 2. Antarctic Circle | b. $66\frac{1}{2}^{\circ} N$ |
| 3. Tropic of Cancer | c. 0° meridian |
| 4. Greenwich | d. $66\frac{1}{2}^{\circ} S$ |

D.1. Which of these is an imaginary line?

d. all of these

2. Which of these pertains to the North ^{Pole} ~~po~~?

a. $90^{\circ} N$

3. Which of these lies in the Southern Hemisphere?

c. Tropic of Capricorn

4. The longitude of a place tells us

d. how far east or west a place is from the Prime Meridian.

5. The longest line of latitude is the:

c. Equator

6. The longest line of longitude is:

d. They are all equal

C. Answer the following questions.

1. How is the globe useful?

Ans- The globe is a small model of the Earth. Globe is used to show the shape and location of the continents, oceans and seas, countries and the location of important cities.

2. Why are latitudes and longitudes drawn on the globe?

Ans- To locate places on the globe, latitudes and longitudes are drawn on it.

3. What is the Prime Meridian?

Ans- The longitude running through the old

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Royal Observatory at Greenwich near London is marked 0° . It is called the Greenwich Meridian or the Prime Meridian.

4. If a place has a latitude of $10^\circ N$, is it in the Northern or Southern ~~the~~ Hemisphere?

Ans- If a place has a latitude of $10^\circ N$, it is in the Northern Hemisphere.

5. We know that the nearer a place is to the poles, the colder it is likely to be. ~~the~~ Which city, in a) and b) below, is likely to be colder?

a. City X: latitude 30°N , longitude 75°W

City Y: latitude 60°N , longitude 20°E .

b. City W: latitude 40°S , longitude 75°E , or

City Z: latitude 75°S , longitude 50°W .

Ans-a. City Y is colder

b. City Z is colder