

**I- New Words**

1. **dimensional**
2. **perpendicular**
3. **hemisphere**
4. **parallels**
5. **Equator**
6. **meridian**
7. **originate**
8. **apparent**
9. **unique**
10. **imaginary**

**II-Definethefollowingterms**

1. **hemisphere -onehalf of a sphere.**
2. **grid-a network of lines of latitudes and longitudes .**
3. **axis - an imaginary line passing through two extreme points on a sphere on which it spins**
4. **poles-either of the endpoints at the top or bottom of the Earth's axis .**

**III-Fill in the blanks**

1. **The Equator is the longest parallel .**
2. **The end points of the axis are called poles.**
3. **The Equator is the starting point for measuring the latitudes.**
4. **The meridian that passes through Greenwich is the Prime Meridian.**

**5. The lines of longitudes are drawn from north to south.**

**IV-Answer these questions**

**Q1-Differentiate between the Northern Hemisphere and the Southern hemisphere .**

**Ans- The Equator divides the Earth into two equal halves. The northern half is called the Northern Hemisphere and the Southern half is called the Southern Hemisphere .**

**Q2-What are lines of latitude? Write their two features**

**Ans- A set of circles is drawn on the surface of the globe. These circles run from east to west .**

**.They are called parallels or lines of latitude. The two features of lines of latitude are -**

- 1. All lines of latitude are at an equal distance from each other.**
- 2. Lines of latitude neither touch nor cross each other.**

**Q3-Define polar circles.**

**Ans- The Arctic Circle and the Antarctic Circle are known as polar circles.**

**Q4-What are lines of longitude? Write their two features.**

**Ans- The imaginary lines which run from the North Pole to the South Pole are called longitudes. The two features of lines of longitude are-**

- 1. All lines of longitude are of the same length.**

*2. The maximum distance between any two lines of longitude is at the Equator .*

*Q5- What do you understand by global address?*

*Ans- The point at which the parallel and meridian cross each other is the location of that place . This is called the global address .*

*Think and answer*

*Q- Why does the length of a parallel increase as we move away from the poles towards the equator ?*

*Ans- The Earth is spherical . So, the length of the parallel increases as we move away from the poles towards the equator .*

*Activity*

*Draw a neat and labelled diagram of the important latitudes and longitudes*