

DEFINITIONS :

1. **The Equator** is a great circle passing round the Earth, equi-distant from both poles.
2. **The Poles** are the two extremities of the axis of the earth.
3. **A Meridian** is a great circle, which passes through both poles.
4. **The Ecliptic** is a great circle which marks the path through the heavens, which the sun appears to travel.
5. **The Tropics** are two small circles round the Earth, each distant about $23^{\circ} 28'$ from the Equator.
6. **Latitude** is the arch of a meridian which lies between any given place, and the Equator.
7. **Parallels of Latitude** are small circles parallel to the Equator.
8. **Longitude** is the arch of the Equator which lies between the Meridian of Greenwich, and the meridian of any given place.
9. **The Visible Horizon** is the limit of an observer's view on a level plane.
10. **The Sensible Horizon** is an imaginary plane passing through the Eye of the Observer, parallel to the plane on which he stands.
11. **The Rational Horizon** is an imaginary plane passing through the centre of the Earth, parallel to the sensible horizon.
12. **Artificial Horizon** is a small trough, containing liquid in a state of rest, and is used for finding the altitude of an object when there is no visible horizon.
13. **True Course of a Ship** is the angle between the true Meridian, and the Ships' head.
14. **Magnetic Course** is the angle between the magnetic Meridian, and the Ships' head.
15. **Compass Course** is the angle between the Compass Meridian, and the Ships' head.
16. **Variation of the Compass** is the angle between the true North, and the Magnetic North.
17. **Deviation of the Compass** is the angle between the Magnetic North, and the Compass North.
18. **Error of the Compass** is Variation, and Deviation combined.