Lenses

Terms related to Lenses:

Centre of Curvature: it is the centre of the sphere of which the surface of lens is a part. *Radius of curvature:* it is the radius of the sphere of which the surface of the lens is a part. *Principle axis*: line passing through the optic centre of lens and perpendicular to both the faces of lens *Optical centre*: is the geometrical centre of the lens *Principle Focus*:

- Of Convex lens : Rays of light entering parallel to principal axis after refraction converges at a point on principal axis called "Focus"
- Of Concave lens : Rays of light entering parallel to principal axis after refraction appears to diverge from a point on principal axis called "Focus"

Focal length: is the distance between its optical centre and principal focus



Convex Lens Ray Diagrams:

Always inverted



CONVEX LENS

Always erect (upright)