

Match the optical terms to the explanation.

Optical term
Optical centre, O
Principal axis
Axis of lens
Focal point, F
Object distance, u
Image distance, v
Focal length, f

Explanation
Distance between image and optical centre of a lens
Distance between object and optical centre of a lens
Point at which rays of light parallel to the principal axis converge after passing through a converging lens
Straight line the centre of a lens perpendicular to its surface
Straight line through the optical centre and perpendicular to the principal axis.
Distance between focal point, F and optical centre, O of a lens
Point at the centre of the lens. Light rays passing through the this point are not refracted.