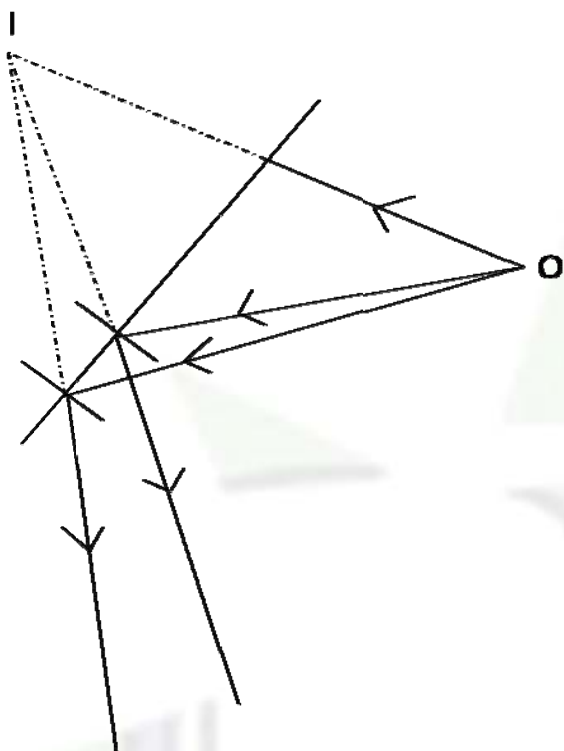




Reflection

Reflection at Plane Surface:



To get an image we require at least two reflected or refracted rays i.e. we must consider two incident rays in the ray diagram. Consider a ray to be incident at any point in the mirror, the reflected ray is drawn according to the law of reflection (i.e. at the point of incidence we draw a normal then reflected ray is drawn making equal angle with the normal as incident ray).

Consider another incident ray which is incident normally on the mirror which is reflected back along the same path. These two reflected rays will meet either in forward direction or when produced back. The point where they meet is the image.

Ray diagram showing how image is formed in concave and convex mirror:

