

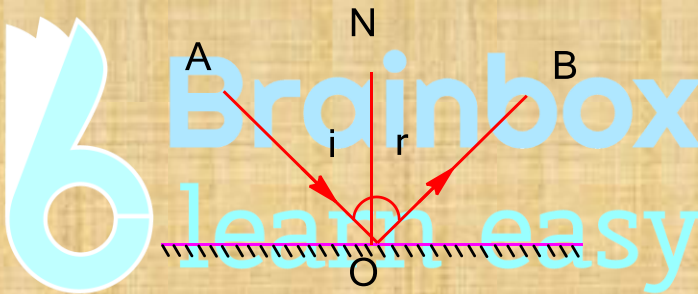
Chapter 16

LIGHT

Laws of Reflection:

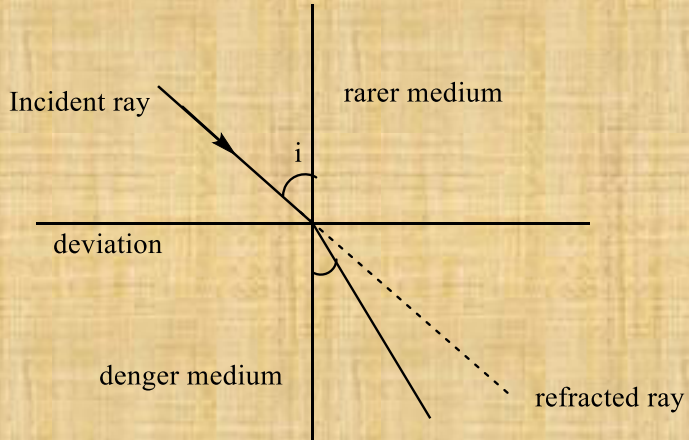
- The angle of incidence is equal to angle of reflection.
- The incident ray, the normal, reflected ray all lie in the same plane.

LAWS OF REFLECTION



Refraction:

- When a ray of light travels one medium into another medium, it bends from its original path at the plane of separation of the two media due to change in speed of light. This is called refraction of light.
- The angles made by the incident and refracted rays with normal are called angle of incidence (i) and angle of refraction (r).
 - (a) When a ray of light goes from a rarer medium to a denser medium. It bends towards the normal and $r < i$.



(b) When a ray of light goes from a denser medium to a rarer medium, it bends away from the normal and $r > i$.

