

LIGHT- REFLECTION AND REFRACTION

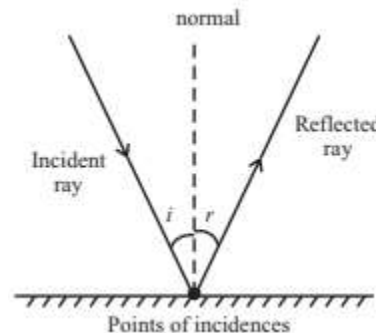
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LIGHT

- Light is an electromagnetic wave which help us to see the world around us
- There are some phenomena associated with light, Among which we have to study Reflection and Refraction

Reflection of Light

- Bouncing back of light is called reflection of light.
- Reflection of light occurs on rough and smooth surfaces both.
- There are two laws associated with reflection of light.
- i) The angle of incidence is equal to the angle of reflection, and
- ii) The incident ray, the normal to the mirror at the point of incidence and the reflected ray, all lie in the same plane.



There are two type of Mirror

Plane Mirror

Spherical Mirror

- Image formed by Plane Mirror

1. Virtual and Erect

2. Laterally Inverted

3. Size of image is equal to Size of object

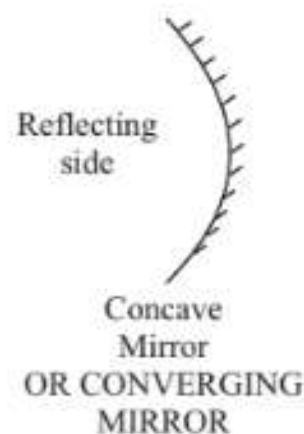
4. Image distance from mirror is equal to object distance from mirror.

Spherical Mirror

The mirror whose reflecting surface are curved inward or outward spherically are called spherical mirror.

- There are two type of spherical mirror

1. Concave Mirror – the mirror whose reflecting surface is curved inward



- 2. Convex Mirror- the mirror whose reflecting surface is curved outward

