

## Light Energy

1) Define Reflection of light .

Ans- The returning of light in the same medium after striking a surface, is called reflection of light.

2) State laws of reflection.

Ans- ~~The ray~~ The reflection of light ray at a surface obeys the following two laws of reflection:

i) The angle of incidence is always equal to the angle of reflection.

$$\angle AON = \angle BON$$

$$\angle i = \angle r$$

ii) The incident ray, the reflected ray and the normal, all lie in the same plane.

3) Define Primary colours

Ans- Primary colours are the colours of light by mixing which white light is obtain. These are red, green and blue.



4) Differentiate between real and virtual image.

Ans - Real Image

1) It can be obtained on a screen.

2) The rays of light after reflection meet at a point.

3) It is always inverted.

4) It is formed in front of the mirror.

Virtual Image

1) It cannot be obtained on a screen.

2) The rays of light after reflection appear to diverge from a point.

3) It is always erect.

4) It is always formed behind the mirror.