

Physics

Ch - 5 light energy

Q1 What is rectilinear propagation of light?

Ans The motion of light in a straight line path is called the rectilinear propagation of light.

Q2 What is a pin hole camera?

Ans Pin hole camera is a simple application of the rectilinear propagation of light.

Q3 State two factors which affect the size of image formed in a pin hole camera.

Ans The two factors which affect the size of image formed in a pin hole camera are:

- (i) The distance of screen (i.e. tracing paper) from the pin hole
- (ii) The distance of object (i.e. candle) from the pin hole.

Q4

Q4 State characteristics of the ~~image~~ image formed by the Pin Hole Camera.

Ans Characteristics of the image formed by the Pin hole Camera are:

- (i) It is real i.e. it is formed on the screen.
- (ii) It is ~~is~~ inverted or ~~upside~~ upside down.
- (iii) It is generally smaller in size than the object (because the object is far ~~and~~ away from the pin hole than the screen).