

Extra Questions

Q-1) Define the terms: a ray of light and a beam of light.

Ans) Ray of light:- The light ~~is~~ travelling in any one direction in a straight line is called a ray of light.

Beam of light:- A group of light rays given out from a source is called a beam of light.

Q-2. ~~How~~ How can you obtain a point source of light?

Ans) A point source of light can be obtained in 2 ways-

★ By placing a ~~screen~~ screen having fine hole, in front of the luminous body or by placing the luminous body inside a box having a fine hole on one of its side.

Q-3- State two factors which affect the size of image ~~formed~~ formed in a pin hole camera. Is the image obtained in a pin hole camera erect or inverted? Give reason for your answer.

Ans) The size of an image ~~of~~ depends on the following the factors:-

- ★ The distance of screen (i.e. tracing paper) from the pin hole, and
- ★ The distance of object (i.e. candle) in front of the pin hole.

Yes, the image obtained in a pin hole camera is ~~not~~ erect or inverted. Because the light from the upper point reaches the lower point and light from the lower point reaches the upper point. That's why the image formed in it is inverted.