

HW
13-11-21

classmate

Date _____

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Define the terms:-

1. Ray of light and a beam of light
2. How can you obtain a point source of light
3. State two factors which affect the size of image formed in a pinhole camera.
4. Is the the image formed in a pinhole camera erect or inverted. Give reason for your answer

1. ans Ray of light - it is a straight line propagating from one point to another. It is very thin.

Beam of light - A group of infinite no. of rays is called ~~the~~ a beam. It is ~~rep~~ represented as ~~the~~ parallel rays of light travelling in the same direction.

2. ans. To obtain a point source of light, place a screen having a fine hole, in front of a luminous body.

3. ans. The two factors that affect the ^{size of} image formed in a pin hole camera = i) distance of ^{the} screen.

(ii) The distance of the object.

Ques Image ~~of~~ formed in a pinhole camera is inverted because the light travels in a straight-line path.