

CW
1.0.21

Define the terms:

1. A Ray of light \rightarrow The light travelling in any one direction in a straight line is called a ray of light.
2. Beam of light \rightarrow A group of light rays given out from a source is called a beam of light.
3. State two factors that affect the size of the image formed in a pinhole camera.

Ans \rightarrow i) The distance of screen (i.e. tracing paper) from the pinhole, and

ii) The distance of the object (i.e. candle) in front of the pinhole.

4. Is the image obtained in a pinhole camera erect or inverted. Give reason to your answer.

Ans \rightarrow Image obtained in a pinhole camera is inverted. The reason is that the light travels in a straight line path. Hence, light from the upper point of the candle passes through pinhole

and strikes the tracing paper in lower point.