

Define terms:

A ray of light: Light travelling in one direction in a straight line.

A beam of light: A group of light rays given out from a source.

How can you obtain a point source of light?

A point source of light is obtained by placing a fine hole in front of a luminous body.

State two factors which affect the size of image formed in a pinhole camera.

The distance of screen from the pinhole camera and the distance of object in front of the pinhole affect the size of image formed in a pinhole camera.

Is the image obtained in a pinhole camera erect or inverted? Give reasons.

The image obtained in a pinhole camera is inverted because light travels in a straight path. Hence, light from the upper point of the candle or object passes through the pinhole and strikes the tracing paper. Light from the lower point of the candle passes through the pinhole and strikes the tracing paper. Light rays from all the other points on the candle pass through the pinhole and strike the tracing paper.