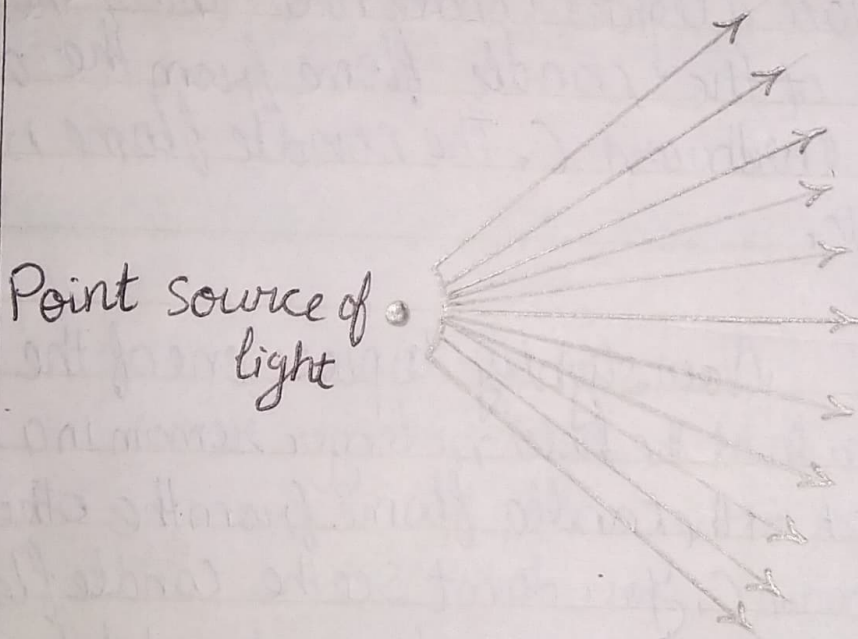


1. Define the terms : a ray of light and a beam of light.

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

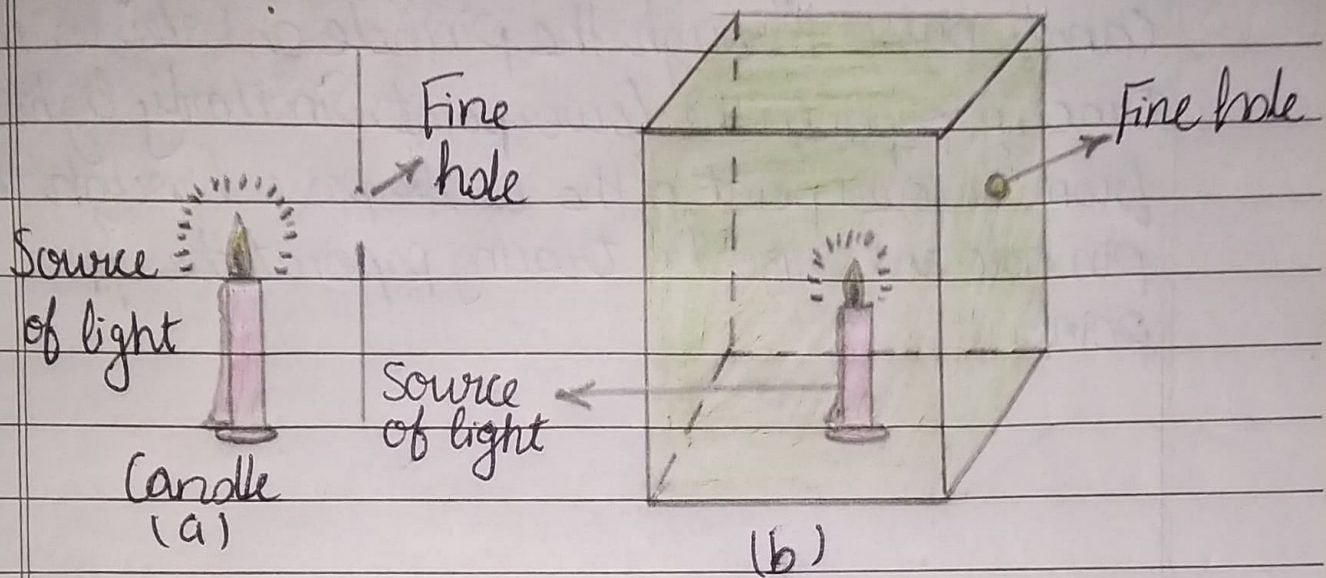


A group of light rays given out from a source is called a beam of light.



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

Ans- A Point source of light is obtained either by placing a screen having a 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.



A Point Source of light.

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

Ans- Factors affecting the size of the image:

- The size of image depends on the following two factors:

1. The distance of screen (i.e., tracing paper) from the pin hole.

2. The distance of object (i.e., candle) in front of the pin hole.

4. Is the image obtained in a pin hole camera erect or inverted? Give reason for your answer.

Ans- Image obtained in a pin hole 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 the pinhole and strikes the tracing paper in the lower point. Similarly light from the lower point of the candle passes through the pin hole and strikes the tracing paper at the upper point.