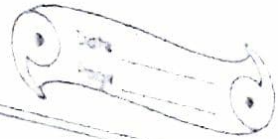


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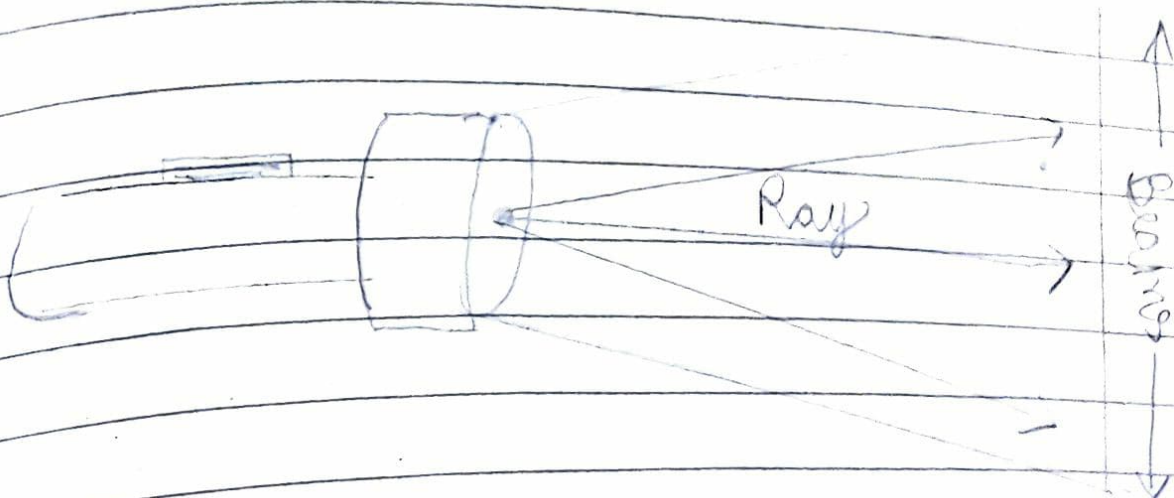
1. Ray of light: A light wave propagating ~~from~~ from one point to another along a straight line path, passing through each point on the line joining the two points, is termed as a ray of light. A ray ~~is~~ is a path of a light wave represented by a line with an arrow. The arrow indicates the direction of it.



which light is travelling.



Beam of light: A bundle of rays of light are called beam of light. They are ~~are~~ represented as parallel rays of light travelling in the same direction.



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2. A point source of light is obtained either by placing ~~and~~ 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 end of its sides.

3. Factors affecting the size of the image ~~formed~~ in a pinhole camera:

1. The distance of screen from the pin hole.
2. The distance of object in front of the pin hole.

4. The image ~~formed~~ obtained in a pin hole ~~camera~~ camera is inverted. The reason is that light travels in a straight line path. Hence, light from the upper point A of the candle passes through the pin hole and strikes the tracing paper at A'. Similarly, light from the lower point B of the candle passes through the pin hole and strikes the tracing paper at B'. Light rays from all the other points between A and B, on passing through the pin hole ~~camera~~ strike the tracing paper in between A' and B'. As a