



## Light, Shadows and Reflections

Q1. Explain with an example that light travels in straight line.

Ans. Light travels in straight line can be demonstrated by the following experiment:

Take three cardboards and make a hole at their centers. Place a burning candle at one end of the row of cardboards and arrange all the three cardboards in such a manner that the three holes and the candle flame are in a straight line. The flame of the candle will be visible through the hole of last cardboard arranged in row. Now slightly move any one of the cardboards and try to see the flame again through the hole. The flame will not be visible. From this it is clear that light travels in a straight line.

