

## H.W

1. What is rectilinear propagation of light?

Ans → The motion of light in a straight line path is called the rectilinear propagation of light.

2. What is pin hole camera?

Ans → Pin hole camera is a simple application of the rectilinear propagation of light.

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

Ans → The two factors which affect the size of ~~img~~ image formed in a pin hole camera are: -

a) ~~⊗~~ The distance of screen (i.e. tracing paper) from the pin hole.

b) The distance of object (i.e. candle) in front of pin hole.

4. State characteristics of the image formed by the pin hole camera.

Ans → Characteristics of the image formed by the pin hole camera are:-

- a) It is real i.e. it is formed on the ~~see~~ screen.
- b) It is inverted or upside down.
- c) It is generally smaller in size than the object (because the object is far away from the pin hole than the screen).