

# HOMEWORK

1. Light travels in a straight line path. This is called the rectilinear propagation of light.
2. The pin hole camera is a simple application of the rectilinear propagation of light.
3. The image formed in a pin hole camera is upside down (inverted), real, temporary and smaller than the object. On increasing the distance of screen from the pin holes the size of

~~image~~ image increases -

- i) The distance of screen from the pin hole ~~are~~ camera
- ii) The distance of object in front of the pin hole.

4. The characteristics of pinhole camera image formed is:

- The image obtained on the screen of a pinhole camera is temporary.
- The image does not show the details of the object.

- ▶ A pin hole camera can not be used to see the motion of a moving object.
- ▶ It is inverted or upside down.
- ▶ It is generally smaller in size than the object.