

1. What is rectilinear propagation of light?

ans. Rectilinear Propagation of light describes the tendency of electromagnetic waves (light) to travel in a straight line.

2. What is pinhole camera?

ans. The pinhole camera is a type of camera which is made by three cardboard sheets and a hole in between. It is used to perform rectilinear propagation of light.

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

ans. i) ~~The displacement~~ placement of ~~any of the~~ ^{one of the} cardboard sheet of the three.

ii)

i) The distance of screen from the pinhole.

ii) Distance of the object in front of the pinhole.

4. State characteristics of the image formed by the pinhole camera?

- ans. i) It is real that is formed on the screen ~~I~~
- ii) It is inverted or upside down.
- iii) It is generally smaller in size than the object.