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① what is rectilinear propagation of light?

Ans - Motion of light in a straight line path is called rectilinear propagation.

② what is pin hole camera?

Ans - Pin hole camera is an application which shows 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 image formed in a pin hole camera are -

- Distance of the object from the pin hole
- Distance of the screen from the 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 -

→ Real image

→ Always inverted, i.e., upside-down.

→ ~~type~~ Usually smaller than the object.