

8/11/21
HW

① What is rectilinear propagation of light

② What is pin hole camera?

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

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

① The motion of light in a straight line path is called the rectilinear propagation of light.

② Pin hole camera is a simple application of the rectilinear propagation of light.

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3) The size of an image depends on the following two factors:

→ 1) The distance of screen from the pin hole, and

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

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* It is real, it is formed on the screen.

* It is inverted or upside down.

* It is generally smaller in size than the object if the object is far away from the pin hole than the screen.