

# O.D.M Connect assignment

## Ch-Light energy



① What is rectilinear propagation of light?

Ans The property of light travelling in a straight line is called as the rectilinear propagation of light.

② What is a pin hole camera?

Ans A pin hole camera is a simple application of the rectilinear propagation of light which is used to see the solar eclipse without directly looking towards the sun.

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

Ans ~~Two~~ Two factors which affect the size of image formed in a pin-hole camera are:

\* The distance of screen (ie. tracing paper) from the pin-hole, and

\* The distance of object (-ie candle) in front of the pin-hole.

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

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

\* It is real -ie it is formed on the screen.

\* It is inverted or upside down.

\* It is generally smaller in size than the object (because the object is far away from the pin-hole than the screen).