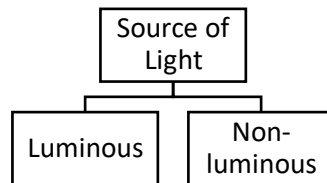


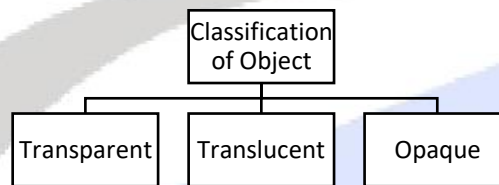
Sources of light

- natural sources of light occur in nature. e.g. Sun, stars, etc.
- man-made sources are made by human e.g. lamp, torch, etc.



Luminous: (objects which give out their own light etc : Sun

Non-luminous: (objects which do not give light of their own) e.g. chair.

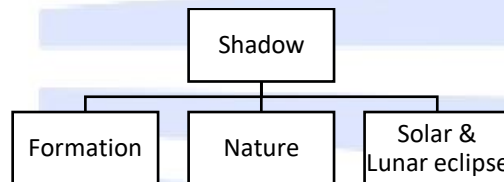


Transparent: object which allow light to pass completely through them eg. glass.

Translucent: objects which allow partially light to pass through them eg. Butter paper

Opaque: objects which do not allow light to pass through them. eg. chair.

Shadow: A dark patch formed in space behind the opaque object where light is partially or wholly cut off.



Formation: Necessary elements are

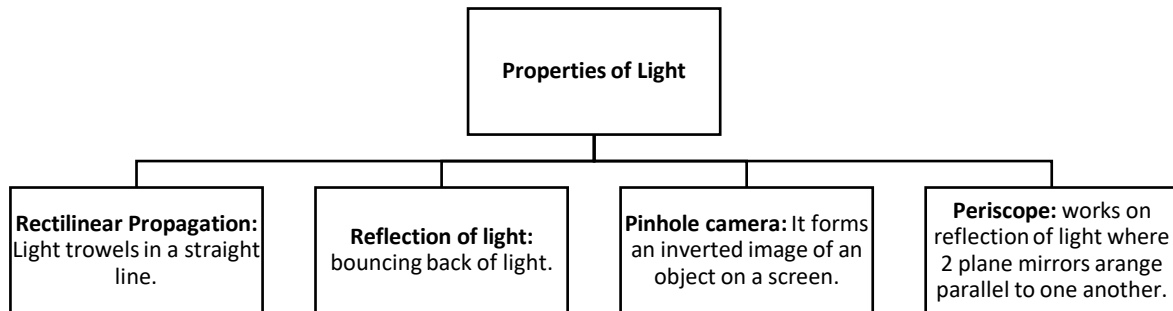
- source of light
- opaque object
- opaque screen

Nature:

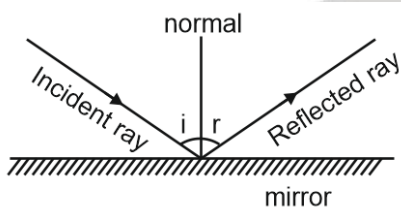
- It depends on shape of the object
- Size of source of light
- Position of source of light)

Solar & Lunar eclipse

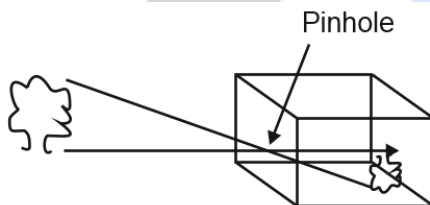
- During a solar eclipse, the shadow of moon falls on the earth. Whereas during lunar eclipse shadow of earth falls on moon.



Reflection of Light:



Pinhole Camera:



Periscope:

