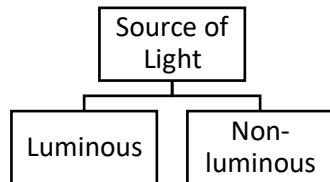


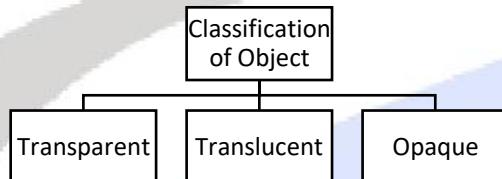
### Sources of light

- 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.

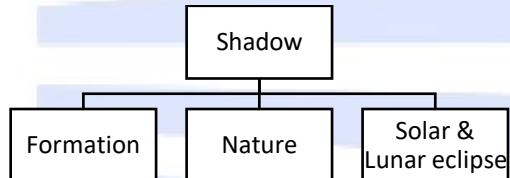


**Transparent:** object which allow light to pass completely through them eg. glass.

**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

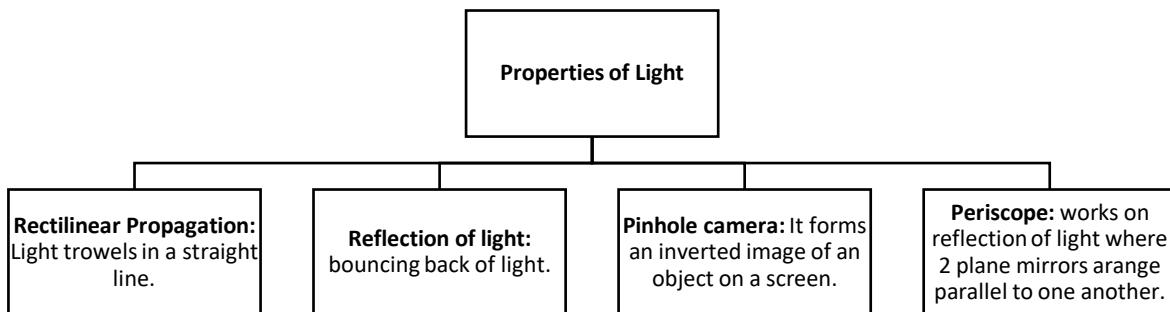
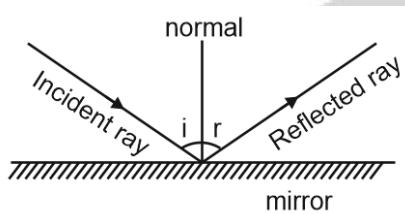
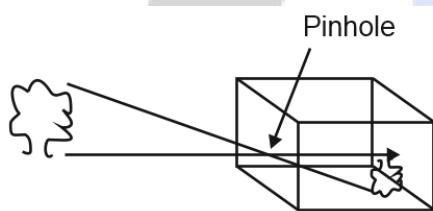
- source of light
- opaque object
- opaque screen

**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:**
