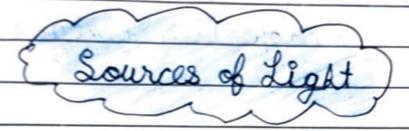
LIGHT, SHADOW AND REF Light Light is a form of energy Light enables us to see objects from which It comes (or from which it is reflected). Without light, things can not be seen During daytime, sur a light allows us to see objects. At night, it is the light of a condle, tubelight or electric bulk which makes us see the Luninous Objects Luminous objects are the objects which have their own light.

Eg- Sun (Stars), Glowing bulb, glowing tube light, CFL, LED, lighted cande, bireply (Non-Luminous Objects) · Non-Luminous objects are those objects which do not emit their own light. · They become visible only when light from other source falls on them and it is reflected to our eyes. Eg-Planets like Earth E, moon, human body, trees, chair, table etc



Fot sources of light are the sources of light which become hot to emit light.

Eg-Sun, lighted candle, glowing bulk etc *

Cold sources of light - are those sources of light which do not have to become hot to emit light

Eg-CFL, LED, birefly etc.

When the light falls on any surface it can
When the light falls on any surface it can either bounce back, hass through or get absorbed
Examples-
Most of the light bounces back when it falls on the surface of a miror
on the surface of a miror
Most of the light falling on the surface of wall gets absorbed.
wall gets absorbed.
Most of the light falling on the surface
Most of the light falling on the surface transparent window pane pages through it
One the basis of the above concept, differen
objects are classified as Transparent, Trans-
lucent and O frague.

Properties of light

Light travels along a straight line. This property of light is known as Rectilinear Propagation of Light.

Light can also travel through vacuum. The speed of light in vacuum is 3 lakh km fer second.

when light falls on any surfaces it can either bounce back, pass through or get absorbed.

Write an activity to prove that light ravels in a straight line.
rables in a straight line.
The state of the s
Activity) Show that light travels in a line.
Show that look to solve a straight
Fix a lighted candle on a table.
Take a rubber tube / fife, stretch it and look at the flame of the candle.
look at the blame of the candle.
You bend the tube and look through it
I the cardle flame again.
or will notice that the flame is not visible
on will notice that the plane is not visible shen the tube is bent.
This proves light travels instraig line.
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