

# LI GHT

## HOME WORK

1. Light is a form of energy. energy is that effects about our eyes to produce the sensation of vision
2. Natural source of light:- The sun is the main natural source of light. On earth, we receive light mainly from the sun.  
Ex - Sun, biologically, star

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Artificial sources of light:-  
At night when we do not receive light from the natural source, we use

artificial sources of light. Some of the common

artificial sources of light are:- fire, a glowing electric bulb, electric tubelight, a burning candle, a kerosene lamp, a torch, heated bodies etc.

3. Luminous bodies:- The bodies

which emit their own light are called luminous bodies. They shine and glow by their own light. A luminous body provides us light. The sun, the stars, a burning candle, an electric lamp, a torch, an electric tube light, a kerosene lamp, all are luminous bodies.

Non luminous bodies. The bodies which do not emit by their own, but become visible (or they shine) by the light falling on them from some luminous body, are called non-luminous bodies. The moon, earth, a table, a book, a chair, etc. are non-luminous bodies.

4. The light given out by a point source spreads in all directions, moving in straight

lines. The light travelling in any one direction in a straight line is called a ray of light. A ray of light is represented by a straight line bearing an arrow. The tip of the arrow indicates the direction in which light is moving.

5. A group of light rays given out from a source is called a beam of light.

The beam of light can be of

Three kinds:

- a) A parallel beam
- b) A divergent beam
- c) A convergent beam