

H.W

LIGHT

1. Define light.

Ans → Light is a form of energy that affects our eyes to produce the sensation of vision.

2. Differentiate natural sources of light and artificial sources of light.

Ans → Natural sources of light

Artificial sources of light

(i) Natural sources of light are present in the nature and produce light naturally.

(i) Artificial sources of light ~~are~~ are man made ~~and need~~

(ii) The sun is the primary source of light on the earth.

(ii) Sources - Candle, Kerosene Lamp, Torch, Electric Bulb etc.

(iii) We cannot control the amount, duration and intensity of natural light.

(iii) We can control the amount, duration and intensity of artificial light.

3. Differentiate luminous and non luminous bodies.

Ans → Luminous bodies

① Objects that can emit light energy by themselves are called luminous objects.

② These objects can cause the sensation of light.

③ The luminous objects are visible as they emit their own light.

④ The sun and the candles are the two examples.

Non-luminous bodies

① Objects that cannot emit light energy of themselves are called non-luminous objects.

② These objects do not cause the sensation of light.

③ They ~~are~~ non-luminous objects are visible because of luminous objects.

④ The moon and planets are two examples.

4. Define a ray of light.

Ans → 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. Define a beam of light.

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