

Ans
20/11/21

Homework

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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

- Natural sources of light occur naturally and can produce their own light rather than reflecting light.

- Artificial sources of light use electricity or heat to produce light.

- They occur naturally
- E.g. Firefly, sun, stars etc.

- They are man-made
- E.g. Torch, moon, lamp etc.

3. Differentiate luminous and non-luminous bodies.

Luminous

Non-Luminous

- They produce ~~there~~ their own heat and light.

- They reflect light from a luminous body.

- They can cause the sensation of light.

- They do not cause the sensation of light

- They can be visible as they produce their own heat and light

- They can be visible due to luminous-objects.

• E.g. stars and candle

E.g. moon and planets.

4. Define a ray of light

Ans- A light wave propagating from one point to another along a straight line path, passing through each point on the line joining the two points is called a ray of light.

5. Define a beam of light.

Ans- Bundle of rays of light together are called beam of light. They are represented as parallel rays of light ~~passing~~ travelling in the same direction.