



LITTERA PUBLIC SCHOOL

CLASS 5

CHAPTER 12

SCIENCE

LIGHT AND SOUND

Answer the following questions

1. List some properties of light.

Ans. Some properties of light are:-

- i. Light always travels along a straight line.
- ii. Light does not need any medium for its propagation.
- iii. It can even travel through vacuum.
- iv. It reflects after striking an opaque object.

2. Explain how light travels?

Ans. Light travels at a tremendous speed of about 300,000km per sec. It always travels in a straight line unless it is disturbed by some object on its path.

3. What is the difference between transparent and translucent objects?

Ans. Transparent objects – Those objects through which light can pass easily are called transparent object e.g. water, glass, air.

Translucent object – The object through which light can pass partially are called translucent objects e.g. tracing paper, waxed paper.

4. How are shadows formed?

Ans. Opaque objects create shadow as they disturb the passage of light. If something gets in the way of light rays coming from a light source their path is blocked and a dark area is created behind it called shadow.

5. What is an echo?

Ans. An echo is a sound caused by the reflection of sound waves from a surface back to the listener. It is the reflection of sound, arriving at the listener some time after the direct sound.