

CLASS 6
SCIENCE
CHAPTER 11
LIGHT, SHADOWS AND REFLECTION

I) KEY WORDS

- 1) Luminous – the objects that can emit or give out its own light.
- 2) Mirror – A piece of polished glass that can reflect various images in presence of light.
- 3) Opaque – The object that does not allow light to pass through them
Ex:- a wooden piece, Cardboard, A piece of tile.
- 4) Pinhole camera – A simple camera that can be made oneself to obtain the images of brightly shining objects in sunlight.
- 5) Reflection – Objects like mirrors can allow light to pass through and as a result the deviated or reflected ray shows the image of the objects.
- 6) Shadow – The reflected image of an opaque object in presence of light.
- 7) Translucent – The objects that allows light to pass through them partially.
- 8) Transparent – The objects that allow light to pass through it properly.

II) ANSWER THE FOLLOWING

- 1) Rearrange the boxes give below to make a sentence that helps us understand opaque objects.

OPAQUE, OBJECTS MAKE SHADOWS

- 2) Can you think of creating a shape that would give a circular shadow if held in one way and a rectangular shadow if held in another way?

A cylinder can form both circular and rectangular shadow with respect to the orientation of sun

If the sunlight falls on the top of the cylinder, it may produce a circular shadow unlike if the sunlight falls on the sides of the cylinder, the formed shadow may be in rectangular shape.

- 3) In a completely dark room. If you hold up a mirror in front of you, will you see a reflection of yourself in the mirror?

No, It is impossible to see an image in a completely dark room. Light is necessary to reflect the images of something. So without light can't see any image.