

# Ncert Solutions Class 6 Science Chapter 11

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## Ncert Solutions For Class 6 Science Chapter 11 Light, Shadows & Reflections

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



**Answer**

Opaque Objects Make Shadow

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2. Classify the objects or materials given below as opaque, transparent or translucent and luminous or non-luminous:

Air, water, a piece of rock, a sheet of aluminium, a mirror, a wooden board, a sheet of polythene, a CD, smoke, a sheet of plane glass, fog, a piece of red hot iron, an umbrella, a lighted fluorescent tube, a wall, a sheet of carbon paper, the flame of a gas burner, a sheet of cardboard, a lighted torch, a sheet of cellophane, a wire mesh, kerosene stove, sun, firefly, moon.

**Answer**

Opaque objects : a piece of rock, a sheet of aluminium, a mirror, a wooden board, a CD, an umbrella, a wall, a sheet of carbon paper, a sheet of cardboard

Transparent objects : Air, Water, a sheet of polythene, a sheet of plane glass, a sheet of cellophane, a wire mesh

Translucent objects : smoke, fog

Luminous objects : A piece of red hot iron, a lighted fluorescent bulb, the flame of a gas burner, a lighted torch, kerosene torch, sun, firefly

Non-luminous object : Air, water, a piece of rock, a sheet of aluminium, a mirror, a wooden board, a sheet of polythene, a CD, smoke, a sheet of plane glass, fog, an umbrella, a wall, a sheet of carbon paper, a sheet of cardboard, a sheet of cellophane, a wire mesh, moon.

**3. 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?**

**Answer**

A cylindrical shape can give a circular shadow when light is incident from its top or bottom. It will give a rectangular shadow when light is incident from its side.

**4. 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?**

**Answer**

No, we will not be able to see our reflection in the mirror because there is no source of light in the room.