

NCERT SOLUTIONS- LIGHT, SHADOWS AND REFLECTIONS

NCERT Solutions for Class 6 Science Chapter 11 Light, Shadows and Reflections is the essential study material needed to perfect Light, Shadows and Reflections topics. The NCERT Class 6 Science solutions provided here correctly answer NCERT textbook questions. Solutions curated in a comprehensive manner will help students understand the subtopics in this chapter in a better way.

IMPORTANT SUB-TOPICS MENTIONED IN THE NCERT CLASS 6 SCIENCE CHAPTER 11 LIGHT, SHADOWS AND REFLECTIONS:

NCERT Solutions for Class 6 Science Chapter 11 Light, Shadows and Reflections has the following sub-topics as given below:

Sr. no	Topics
1.	Transparent, opaque and translucent objects
2.	What exactly are shadows?
3.	A pinhole camera
4.	Mirrors and reflections

NCERT SOLUTIONS CLASS 6 SCIENCE CHAPTER 11 LIGHT, SHADOWS AND REFLECTIONS:

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

O W S
A K E
O P A Q
U E O
B J E C
T S M
S H A D

ANS-

OPAQ	UE O	BJEC	TS M	AKE	SHAD	OWS
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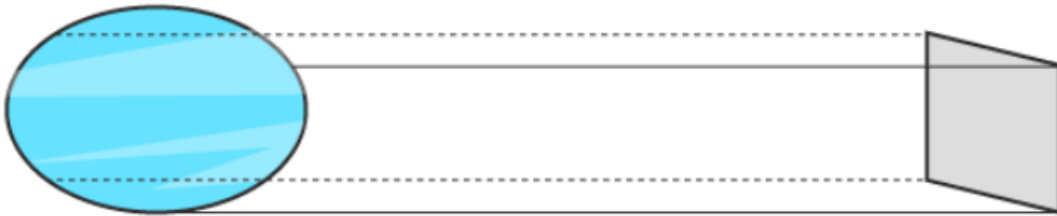
- Classify the objects or materials given below as opaque, transparent or translucent and luminous or non-luminous: Air, water, a piece of rock, a sheet of aluminium, a mirror, a wooden board, a sheet of polythene, a CD, smoke, a sheet of plane glass, fog, a piece of red hot iron, an umbrella, a lighted 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.

ANS-

- Opaque- 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- Air, water, and a sheet of plane glass

- Translucent- A sheet of polythene, smoke, fog, a sheet of cellophane, and a wire mesh
 - Luminous- A piece of red hot iron, a lighted fluorescent tube, the flame of a gas burner, a lighted torch, sun, firefly, kerosene stove
 - 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, 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?**

ANS-



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?**

ANS- No, a mirror reflection of the image won't be visible in a dark room because there won't be any light to reflect the image on the mirror because of the darkness.