

CBSE Class-VI Subject Science
NCERT Solutions
(CHAPTER-11)
LIGHT, SHADOWS AND REFLECTIONS

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

OWS	AKE	OPAQ	UEO	BJEC	TSM	SHAD
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Answer:

OPAQ	UEO	BJEC	TSM	AKE	SHAD	OWS
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Question 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 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.

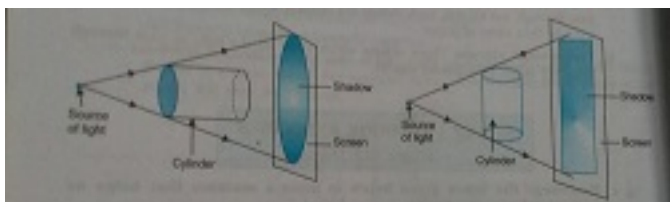
Answer:

Opaque	Transparent	Translucent	Luminous	Non-luminous
A piece of rock	Air	A sheet of polythene	A lighted fluorescent tube	List of transparent objects
A sheet of aluminium	Water	Fog	Flame of gas burner	List of translucent objects
A CD	A sheet of plane glass	A sheet of cellophane	A lighted torch	List of opaque objects
A sheet of carbon paper		smog	Firefly	Moon

Iron		fog	Stove	
An umbrella		a wire mesh	Sun	
A wall			fire fly	
A mirror				
A wooden board				
A sheet of cardboard				

Question 4. 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: Yes,



Question 5. In a completely dark room, if you hold up a mirror in front of you, will you see reflection of yourself in the mirror?

Answer: In completely dark room, No one can see any image in the mirror, because there is no light falling on the mirror which can be reflected to show the image.