

## Class-VI (CHAPTER-11) LIGHT, SHADOWS AND REFLECTIONS

### Questions

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

OWS

OPAQ

UE O

BJECT

TSM

SHAD

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.
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?
4. In a completely dark room, if you hold up a mirror in front of you, will you see reflection of yourself in the mirror?
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# NCERT Solutions

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### Answers

1.

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2.

Opaque	Transparent	Translucent	Luminous	Non-luminous
A piece of rock	Air	A sheet of polythene	A lightened florescent tube	A mirror
A sheet of aluminium	Water	Fog	Flame of gas burner	A piece of rock
A CD	A sheet of plane glass	A sheet of cellophane	A lighted torch	A wire mess
Smoke			Firefly	A piece of rock
Iron			Stove	Iron
An umbrella			Sun	A wall
A wall			Moon	

3. Yes,



4. In completely dark room, one cannot see any image in the mirror, because there is no light falling on the mirror which can be reflected to show the image.