

Exercise Questions

Page number – 113-114

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

OWS	AKE	OPAQ	UEO	BJEC	TSM	SHAD
-----	-----	------	-----	------	-----	------

Solution:

OPAQ	UEO	BJEC	TSM	AKE	SHAD	OWS
------	-----	------	-----	-----	------	-----

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 aluminum, 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.

Solution:

Opaque	Transparent	Translucent	Luminous	Non luminous
a piece of rock	Air	A sheet of polythene	A lightened fluorescent tube	A mirror
a sheet of aluminum	Water	Fog	the flame of a gas burner	A piece of rock
A CD	A sheet of plane glass	A sheet of cellophane	a lighted torch	A wire mesh
Smoke			Firefly	Iron
Iron			Stove	A wall
An umbrella			Sun	
A wall			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?

Solution:

Yes,



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?

Solution:

No, in a dark room, mirror reflection of image will not be shown as light will not fall on the mirror to reflect the image.