



INDIAN SCHOOL AL WADI AL KABIR

Class: VI	Department: SCIENCE 2020 -2021	Date of Completion: 29.11.2020
TEXTBOOK- Q & A	Chapter: LIGHT, SHADOWS AND REFLECTIONS	Note: A4 FILE FORMAT
NAME OF THE STUDENT	CLASS & SEC:	ROLL NO.

Exercise Questions

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

OWS	AKE	OPAQ	UEO	BJEC	TSM	SHAD
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Ans:

OPAQ	UEO	BJEC	TSM	AKE	SHAD	OWS
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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 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, the moon.

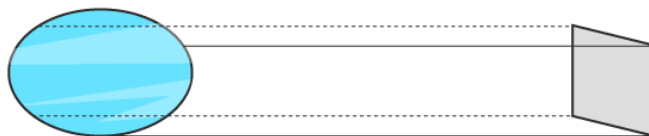
Ans:

OBJECT	Opaque/ Transparent /Translucent	Luminous / Non-luminous
Air	Transparent	Non-luminous
water	Transparent	Non-luminous
a piece of rock	Opaque	Non-luminous
a sheet of aluminum	Opaque	Non-luminous
a mirror	Opaque	Non-luminous
a wooden board	Opaque	Non-luminous
a sheet of polythene	Translucent	Non-luminous
a CD	Opaque	Non-luminous

smoke	Opaque	Non-luminous
a sheet of plane glass	Transparent	Non-luminous
fog	Translucent	Non-luminous
a piece of red hot iron	Opaque	Luminous
an umbrella	Opaque	Non-luminous
a lighted fluorescent tube	Opaque	Luminous
a wall	Opaque	Non-luminous
a sheet of carbon paper	Opaque	Non-luminous
the flame of a gas burner	Translucent	Luminous
a sheet of cardboard	Opaque	Non-luminous
a lighted torch	Opaque	Luminous
a sheet of cellophane	Translucent	Non-luminous
a wire mesh	Translucent	Non-luminous
kerosene stove	Opaque	Luminous
sun	Opaque	Luminous
Firefly	Opaque	Luminous
the moon.	Opaque	Non-luminous

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: Yes, When the top of the cylinder faces the Sun, then the circular shadow is formed. On the other hand, when the side of the cylinder faces the Sun, then rectangular shadow is formed.



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: Image of an object is formed when light is reflected from the mirror. Since there is no source of light in the room, no image will be formed.

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