

Name: _____ Date: _____

Light, Shadows and Reflections

Q1. List the three conditions necessary for formation of shadow.

Ans. _____

Q2. Differentiate between luminous and non-luminous objects.

Ans.

Luminous Objects	Non-luminous objects
1.	1.
2.	2.

Q3. How a shadow differs from an image?

Ans.

Shadow	Image
1.	1.
2.	2.
3.	3.

Light, Shadows and Reflections

Q1. List the three conditions necessary for formation of shadow.

Ans. The three conditions necessary for formation of shadow are:

1. There must be a source of light.
2. There must be an opaque object to obstruct the light.
3. There must be an opaque screen where shadow will be formed.

Q2. Differentiate between luminous and non-luminous objects.

<u>Luminous Objects</u>	<u>Non-luminous objects</u>
1. Objects that give out or emit light of their own are called luminous objects.	1. Objects that do not give out or emit light of their own are called non-luminous objects.
2. Example: sun, stars, a candle, an oil lamp, a torch, an electric bulb etc.	2. Example: table, chair, eraser, pen, pencil etc.

Q3. How a shadow differs from an image?

<u>Shadow</u>	<u>Image</u>
1. A shadow is formed when the light from light source is blocked by an opaque object.	1. An image is formed by the reflection of light from a plane mirror.
2. Shadow is black in color.	2. Image is colorful.
3. Sometime shadows can mislead us about the shape of the object.	3. Images are true reflection of the object.