



SCIENCE

CH: 11 LIGHT, SHADOWS AND REFLECTION

Name: -----

Class VI SEC: -----

I. Choose the correct answer.

1. Identify the luminous objects from the following pictures:



2. Find one similarity between a shadow and an image formed in pinhole camera.

- a. Shadows are colourful.
- b. A shadow always has the same size as that of an object.
- c. The images in a pinhole camera are formed on a screen.
- d. The images of a pinhole camera are always bigger in size.

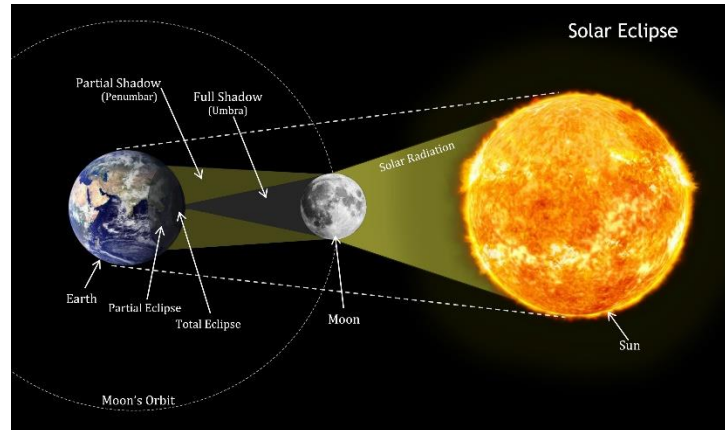
3. The bouncing off light from a surface is known as

- a. Reflection



- b. Rectilinear propagation
- c. Shadow
- d. eclipse

4. In solar eclipse the



- a. shadow of the Sun is formed
- b. shadow of the Moon is formed.
- c. shadow of the Earth is formed
- d. shadow of the Pluto is formed

II. Answer the following questions:

1. Why are we able to see our image in a mirror?
2. What are the characteristics of a shadow?
3. Classify the following object as transparent, translucent and opaque.
Coconut oil, clear glass, notebook, school bags, steel plate, spectacles, frost glass
4. Can you see pinhole cameras in nature? If your answer is yes, explain how they are formed?
5. What are the characteristics of the image in pinhole camera?

III. State whether the following statements are True or False. Correct the false statement.



1. Pinhole cameras form real images. -----
2. A black surface can absorb light rays.
3. The Sun is a non-luminous body.
4. Water collected in different places is a natural mirror.
5. Shadows can be formed in a dark room.
6. Gold is a translucent material.
7. A screen is necessary to obtain a shadow.

IV. Identify the phenomena:



a. -----



b. -----



c. -----