



CLASS: VI

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SUBJECT: SCIENCE

LESSON- CH.8 LIGHT,SHADOW AND REFLECTION

Q1) State True or False:

- (a) Light travels in straight line
- (b) A Shadow can be coloured
- (c) The image formed in pinhole camera is both erect and inverted
- (d) Transparent object does not cast shadows
- (e) A periscope is an instrument used for observing objects from a hidden position
- (f) Moon is a luminous.

Q2) Fill in the blanks:

- a. The phenomenon by which we see our face in mirror is called \_\_\_\_\_.
- b. Sun is an \_\_\_\_\_ object.
- c. A \_\_\_\_\_ eclipse occurs when earth comes between sun and moon in a straight line.
- d. Wooden piece is an \_\_\_\_\_ object.
- e. \_\_\_\_\_ and \_\_\_\_\_ are two types of shadows.
- f. The objects which partially allow light to pass through them are called \_\_\_\_\_.
- g. Speed of light is \_\_\_\_\_.

Q3) Answer the following:

Q1: Name a process which results in the change in direction of light.

Q2: Which type of objects form shadow?

Q3: Give an example of a translucent object.

Q4: Is it possible that two objects different in colour have shadows of a different colour?

Q5: Suresh rolls a chart paper and observes a candle through it. A moment later, the tube formed by the chart paper bends. Will he still be able to see the candle through the tube? Support your answer with an explanation.

Q6: Differentiate between the image formed by a pinhole camera and the shadow.

Q7: Distinguish between transparent and translucent objects.

Q8. Explain with an activity that light travels in a straight line.