

Chapter 10: Light and Shadows

Worksheet 1

1. Fill in the blanks.

- (i) The speed of light is _____ km/s.
- (ii) Shadows are formed when light is blocked by _____ objects.
- (iii) When earth comes between the moon and the sun, _____ eclipse occurs.
- (iv) Light has _____ colours.
- (v) The _____ eclipse occurs on a new moon day.

2. Write T for true and F for false statement.

- (i) Light moves in a curved path.
- (ii) The earth rotates on its axis.
- (iii) Transparent objects allow light to pass through them partially.
- (iv) Butter paper is a transparent object.
- (v) A shadow is always black.

3. Pick the transparent, translucent and opaque objects and write them at their proper place.

Oil, Cellophane paper, Wood, Glass, Rubber, Butter paper

- (i) Transparent objects : _____
- (ii) Translucent objects : _____
- (iii) Opaque objects : _____

Chapter 10: Light and Shadows

Worksheet 2

1. Give one word for the following.

- (i) A form of energy which makes things visible to us.
- (ii) The speed of light.
- (iii) The objects which do not allow light to pass through them.
- (iv) An opaque surface on which a shadow is formed.
- (v) The time when shortest shadow is formed during the day.

2. Write Opaque, Transparent or Translucent against the following objects.

- (i) Brick : _____
- (ii) Water : _____
- (iii) Honey : _____
- (iv) Wood : _____
- (v) Air : _____

3. Answer these questions.

- (i) What is the path of light?
- (ii) What is an eclipse?
- (iii) What is a shadow?
- (iv) When does our shadow form longer during the day?
- (v) What causes day and night?