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## **Ln : 11 Light, Shadows and Reflections**

### **I) Fill in the blanks :**

1. \_\_\_\_\_ helps us to see objects.
  2. Objects that give out or emit light of their own are called \_\_\_\_\_.
  3. \_\_\_\_\_ objects allow light to pass through them completely.
  4. \_\_\_\_\_ objects do not allow the light to pass through it at all.
  5. \_\_\_\_\_ objects allow the light to pass through them partially.
  6. Light travels in a \_\_\_\_\_.
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7. \_\_\_\_\_ are formed when an opaque object comes in the path of light.
8. \_\_\_\_\_ and \_\_\_\_\_ objects are essential for the formation of shadows on a screen.
9. A shadow cast by the heavenly bodies is called an \_\_\_\_\_.
10. Images formed by a pin -hole camera are \_\_\_\_\_
11. We see \_\_\_\_\_ of the object in the mirror.

**II) Answer in one or two words :**

1. Give two examples of opaque objects.
2. Give two examples transparent objects
3. Give two examples of translucent objects.
4. Give two examples of luminous objects
5. Give two examples of non-luminous objects.

**III) Choose the correct Answer :**

1. [Mirror/glass] helps to change the direction of light that falls on it.
2. Images are [ same / different] from the shadow.
3. Torch bulb is [ luminous / non - luminous object]
4. [opaque/transparent] objects cast shadows.
5. Coloured objects form [coloured / dark] shadows.

**IV) Answer the following questions :**

1. How are shadows formed ?
2. What is meant by reflection of light ?
3. Explain with the help of an activity that light travels in a straight line.

**V) Define :**

1. Opaque objects
2. Shadows
3. Reflection of light

**VI) Distinguish between**

1. Transparent and translucent objects
2. Luminous and non luminous objects.