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## **15 : LIGHT**

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

1. The change in the direction of light by a mirror is called \_\_\_\_\_.
2. The image formed by a \_\_\_\_\_ lens is always virtual, erect and smaller in size.
3. White light is composed of \_\_\_\_\_ colours.
4. The image of an object formed by a \_\_\_\_\_ cannot be obtained on a screen.
5. \_\_\_\_\_ are used by dentists to see an enlarged image of the teeth.

### **II Name the following :**

1. An image that can be obtained on the screen -
2. The lens which feel thinner in the middle than at the edges -
3. The lens known as magnifying glass -
4. The lens known as diverging lens -
5. The mirror which can form both real as well as virtual images.
6. The large arc of seven colours VIBGYOR in the sky.

### **III State whether True or False :**

1. The image formed by a plane mirror is inverted -
2. A convex lens is thicker in the middle than at the edges -
3. A concave mirror always forms real image -
4. Any polished or shining surface can act as mirror -

### **IV Define :**

Reflection of light

### **V Distinguish:**

Real image & Virtual image

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