

INTERNATIONAL INDIAN SCHOOL, JEDDAH [BOYS SECTION]

CLASS VIII

WORKSHEET LIGHT

I. Give one word for the following:

1. The most popular resource for visually challenged person to read and write:---

2. The muscles which hold the eye lens in the human eye ball:-----
3. Photo sensory cells in eye:-----
4. Angle inscribed between incident ray and normal:-----
5. The perpendicular line drawn from the point of incidence making a right angle with the surface:-----
6. Type of reflection on a rough surface:-----
7. Instrument based on multiple reflection-----

II. Give reason:

1. We cannot see the image formed in blind spot.

2. Light changes its direction when it falls on a smooth surface.

3. You can see your face clearly on a new steel plate.

4. A band of colours are produced when white light falls on a prism.

5. In old age, sometimes the eye sight becomes foggy.

6. The pupil dilates in bright light.

Qb6

7. For an object placed between two parallel mirrors, infinite images are formed.

III. Answer the following:

1. State the laws of reflection. Verify the laws

2. How are multiple images formed?

3. Calculate the number of images formed when two plane mirrors are kept at an angle of

- a. 60° to each other-----
b. 90° to each other-----
c. 180° to each other-----

4. Define the terms : power of accommodation of eye ,persistence of vision