



INDIAN SCHOOL NIZWA - WORKSHEET

General Science

Class-VII

CH: 15, LIGHT

Name: _____

Date _____

Class: VII _____

I Fill in the blanks

1. Light traveling in a straight line is an example of _____ motion.
2. A common magnifying glass is an example of _____ .
3. The mirror used by ENT doctors is _____.
4. The image formed is always virtual and erect in _____ lens
5. The splitting of white light into seven colours is called _____.
6. The Incident angle is always equal to _____ angle.
7. The mirror used as a shaving mirror is _____.
8. _____ is used as rear-view mirror in automobiles.
9. Give one word that means
 - a. Bouncing back of light rays. _____
 - b. Band of seven colours obtained on dispersion of white light. _____
 - c. Sequence of colours of spectrum _____
10. Give two uses each of a concave and convex mirror.

11. Why are convex mirrors used as side view mirrors in cars?

12. Name the phenomenon responsible for

a) The formation of a rainbow. _____

b) The formation of the image of an object by a plane mirror. _____

13. What kind of image is formed by a concave lens?

14. What kind of image is formed by

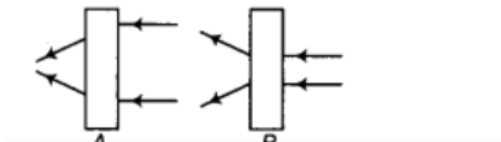
a) convex lens if the object is placed close to the lens?

b) plane mirror - _____

c) on a cinema screen - _____

15. What makes things visible to us?

16. Observe the given figures carefully.



The given figures show the path of light through lenses of two different types represented by rectangular boxes A and B. What is the nature of lenses A and B ?

17. In the formation of a rainbow, what acts as tiny prisms?

18. **Choose the correct Answer-**

1. The path of the light is always
 - a. straight line
 - b. curved line
 - c. zig zag line
 - d. depends on the medium.
2. Which of the following mirrors shows lateral inversion?
 - a. concave mirror
 - b. plane mirror
 - c. convex mirror
 - d. All of the above
3. Which letter's image on a plane mirror will not be inverted sideways?
 - a. L
 - b. P
 - c. W
 - d. B
4. Shreya spins a multi-coloured wheel rapidly. What colour will the rapidly spinning the wheel appears to be?
 - a. pink
 - b. blue
 - c. white
 - d. Green
5. Boohjo and Paheli were given one mirror each by their teacher. Boohjo found his image to be erect and of the same size whereas Paheli found her image erect and small in size. This means that the mirrors of Boohjo and Paheli are, respectively
 - a. plane and concave mirror
 - b. plane and convex mirror
 - c. concave and convex mirror
 - d. convex and plane mirror
6. If an object is placed at a distance of 0.5m in front of the plane mirror, the

distance between the object and the image formed by the mirror will be

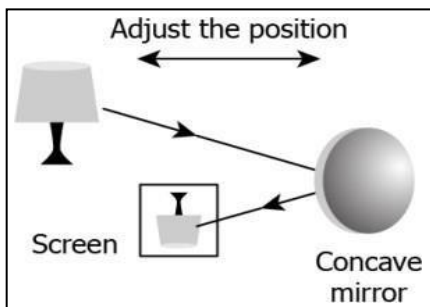
- a. 2m b. 0.5m
- c. 0.25m d. 1m

7. You are provided with a concave mirror, convex mirror, concave lens and convex lens.

To obtain the enlarged image of an object you can use either

- a. concave mirror or convex mirror b. concave lens or convex lens
- c. concave mirror or convex lens d. concave mirror or concave lens

19. A student performs an activity where he uses a lamp and projects its image on a screen as shown in the image.



He kept on changing the distance between the lamp and the mirror for various positions. He notices that the image formed on the screen disappears when the lamp is held close to the mirror. What explains the disappearance of the image on the screen?
