



Class seven light test

1. A ... lens is thicker in the middle than the edges/ a mirror bulging out
 2. The splitting of white light into Colours is called
 3. Concave lens is also called a lens/ image formed by convex mirror.....
 4. A concave lens always forms a And smaller image of an object/ concave mirror is formed and images
 5. A mirror which can form both real and virtual images is
 6. A mirror which bends the rays of light away from each other is
 7. Mirror is used in solar cooker is
 8. Splitting of light in seven colors is called.....
 9. The best reflector of light is
2. choose the correct option
- a) rear view mirrors in vehicles are
- 1) concave lens 2) convex mirrors 3) plane mirrors 4) any one
- b) a real image
- 1) can be taken on screen 2) is always inverted 3) both 1 and 2 4) neither 1 or 2
- c) Sanna is observing her image on a plane mirror. Distance between mirror and her image is 5m. if she moves 2m towards the mirror, then distance between Sanna and her image will be
- 1) 3m 2) 6m c) 5m d) 7m
- d) the mirror is polished with silver on the bent in side
- 1) concave 2) plane 3) convex 4) curved and spherical mirror
3. give reasons for the following
- a) convex lens is used as a magnifying glass/ in kaleidoscope we have different designs
- b) concave mirror is used by dentist
- c) convex lens is converging in nature/ shadow is the shortest at 12 pm
- d) the word AMBULANCE is written inverted on the concerned vehicles
- e) the image formed by a plane mirror can not be obtained on a screen

4. name the type of mirror or lens used in the following cases
 - a) periscope b) binoculars c) camera d) telescope f) solar cooker g) solar furnace
5. Anvi stands 7m in front of a plane mirror with a painting on a wall 2m behind her. Calculate the distance between
 - a) Anvi and image of painting b) Anvi ' s image and image of painting c) Anvi and her image
6. Characteristics of images formed by plane mirror
7. What is reflection of light?
8. What is the best reflector of light
9. Write two uses of plane mirror
10. What is rectilinear propagation of light?
11. Differentiate between luminous and non -luminous object
12. Which materials are used for artificial lighting?
13. Name some natural sources of light.
14. Advantages of LED
- 15 why moon is not considered as a natural source of light?
16. What is the rectilinear propagation?
17. What is the function of rectilinear propagation of light?
18. Differentiate between shadow and image
19. What are the characters of images formed by a plane mirror? How is it different from pin hole camera?
20. Write two uses of transparent, translucent and opaque objects
21. Define shadow and what are the factors affecting it?
22. Give two examples of natural shadow
23. What is reflection of light?
24. Why the shadow of an aeroplane not reaching the ground?
25. Differentiate between virtual and erect image
- 26.What is happened if the word AMBULANCE is not written invertedly?
27. Give two examples when multiple reflection take place
28. How many mirrors are used in Kaleidoscope? What is the function of it?
29. How many mirrors are used in periscope? What is the function of it?
30. Is there any similarity between pin hole camera and human retina?