



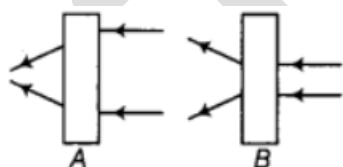
Question Bank

Grade 7- Science

Chapter 15 – Light, Mirror and Lenses

Answer the following questions:

1. Give two points of difference between a real and a virtual image.
2. Name two instruments that form real images.
3. What happens when sunlight is made to fall on a prism?
4. If sunlight is made up of seven colours, then why does it appear to be yellow?
5. Why is it difficult to read the pages of a glossy magazine?
6. What is the difference between the principal focus of a concave mirror and that of a convex mirror?
7. When does a concave mirror form a virtual image?
8. Why are concave mirrors used in headlights, while convex mirrors used in street lights?
9. What happens when sunlight passes through a prism?
10. How are convex mirror used in vehicles? Explain.,
11. How is rainbow formed?
12. 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 ?

13. Briefly mention what makes things visible to us.
14. Is it possible to obtain the image on the screen when the candle is too closed to the concave mirror?
15. Mention the type of image formed on a cinema screen.
16. An erect and enlarged image of an object is formed on a screen. Explain how this could be possible.

17. We need a shiny surface for reflection. Explain why.
18. A shopkeeper wanted to fix a mirror which will give a maximum view of his shop. What type of mirror should he use? Give reason.
19. Explain with the help of an activity that when seven colours are mixed together, then white colour is formed.
20. One day, Ramesh's friend was performing their respective experiments given by their teacher. While sitting in the practical lab instead of performing experiment, Ramesh was playing with his meter scale. All the sudden, he held the scale in his hand and started moving in front of tubelight, then he observed the seven colours of white light. After sometimes, he got scolded by his lab teacher for not performing the experiment.
- (a) Give the name of phenomenon that leads to the formation of band of seven colours.
- (b) Name the constituent colours of white light.
- (c) Mention the values shown by Ramesh here.