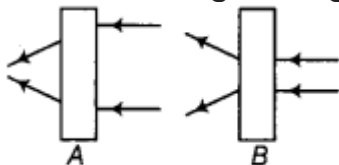


Ch 16 – Light

1. Define the property of light that you observe in the image given below (1)

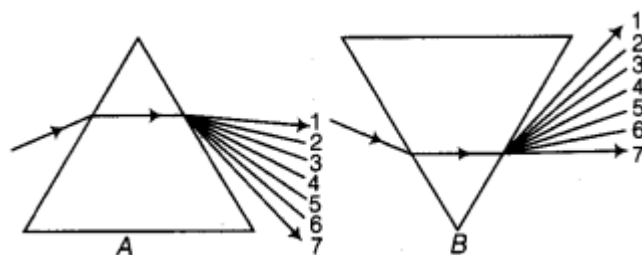


2. Differentiate real and virtual image. (4)
3. Write the nature of concave mirror and its uses.(2)
4. Describe the nature of the image formed by a plane mirror(2)
5. Observe the given figures carefully.



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 ? (2)

6. In the formation of a rainbow, what acts as tiny prisms? Define the property of prism.(2)
7. State the correct sequence (1-7) of colours in the spectrum formed by the prisms A and B shown in the figure.(2)



8. Namit was driving a car and suddenly became aware of a loud sound coming from behind. He looked through his rear view mirror and saw an ambulance. He recalled reading that such emergency vehicles often have their name written in the mirror (AMBULANCE) or writing, i. e. **AMBULANCE**.

He quickly made way for the ambulance, murmuring a quick prayer for the speedy recovery of the patient inside the ambulance.

(a) Name the type of mirror which is used as a rear view mirror and why?

(b) Mention values did Namit exhibit. (2)

9. A rainbow can be seen in the sky (1)

(a) when the sun is in front of you

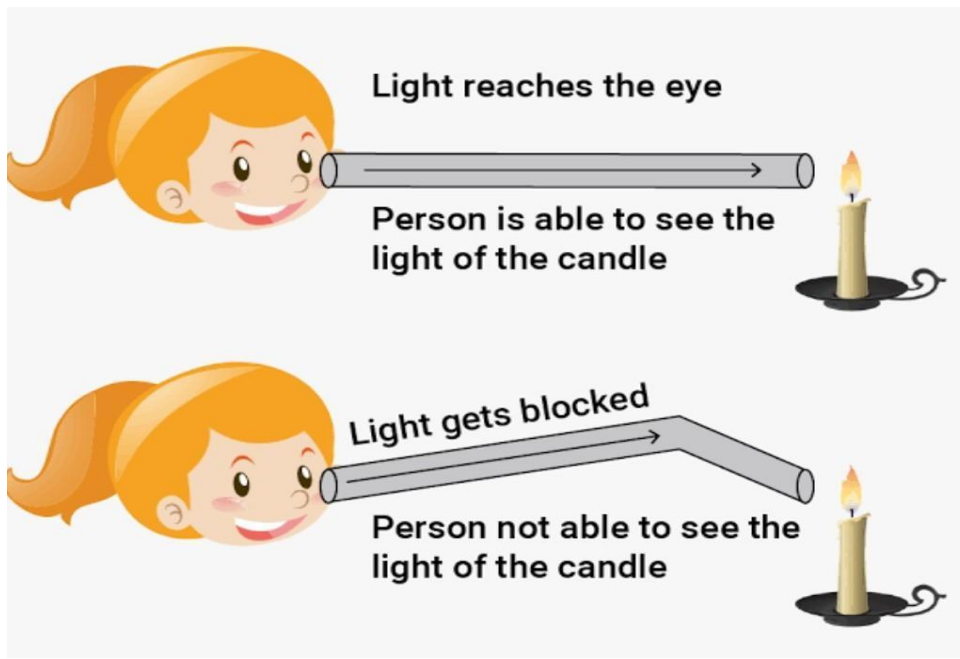
(b) when the sun is behind you

(c) when the sun is overhead

(d) only at the time of sunrise

10. Write the uses of concave mirror(5 uses) (2)

11. Name the property that you see in the below picture.(1)



12. Differentiate lens and mirror(4)