

Exercise

1. Which one of following materials cannot be used to make a lens?

(a) Water (b) Glass (c) Plastic (d) Clay

2. The image formed by a concave mirror is observed to be virtual, erect & larger than object. Where should be the position of the object?

(a) Between principal focus & centre of curvature

(b) At the centre of curvature

(c) Beyond the centre of curvature

(d) Between the pole of mirror & its principal focus

3. Where should an object be placed in front of a convex lens to get a real image of the size of the object?

(a) At twice the focal length

4. A spherical mirror & a thin spherical lens have each a focal length of -15cm . The mirror & the lens are likely to be

(a) both concave

5. No matter how far you stand from a mirror, your image appears erect. The mirror is likely to be either plane or convex.

6. Which of the following lenses would you prefer to use while reading small letters found in a dictionary?
A convex lens of focal length 5 cm.