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Exercises

Q. 1 Which one of the following materials

cannot be used to make

a lens?

Ans: Clay can never be transparent

so it cannot be used to make

lens.

Q. 2 The image formed by a

concave mirror is observed to

be virtual, erect and larger than

the object. Where should the

position of the object?

Ans: If the object is placed between

between pole of the mirror and its principal focus, virtual, erect and magnified image will be formed.

Q3 Where should an object be placed in front of a convex lens to get a real image of the size of the object?

Ans) (a) At twice the focal length.

(b) A spherical mirror and a

thin spherical lens have each

of a focal length of -15 cm .

The mirror and lens are likely to be

Ans) The focal length is taken as negative for both concave mirror and concave lens.

Q5) No matter how far you stand from a mirror, your image appears erect. The mirror is likely to be :-

Ans) d, Plane mirrors and convex mirrors always form the erect images.