

H.W  
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## Exercises

1. Define the principal focus of a concave mirror.

Ans →

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

Ans →

Clay

②

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

Ans →

Between the pole of the mirror and 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?

Ans →

At twice the focal length.

④

A spherical mirror and a thin spherical lens have each a focal length of  $-15\text{ cm}$ . The mirror and the lens are likely to be



Ans → Both can cause

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

Ans → Either plane or convex.

