

Shaving Mirror

Apparatus

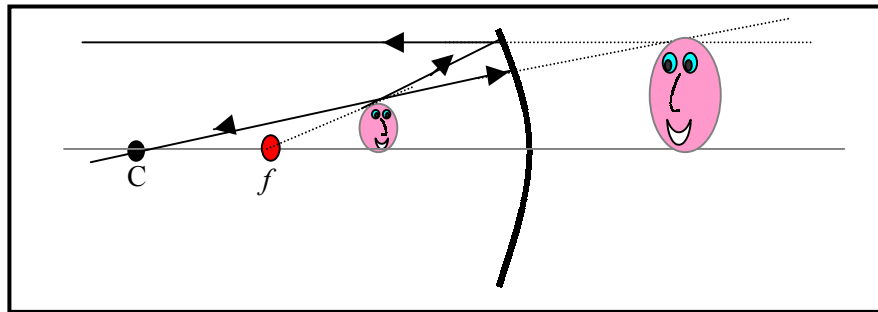
shaving mirror

Action

The students observe their reflection in the mirror, and determine what sort of image is formed and whether the mirror is concave or convex.

The Physics

A shaving mirror gives an enlarged image. The mirror is concave. You must have your face within the focal length of the mirror, to get an upright and enlarged image. If you move far enough away from the mirror your reflection will invert and become smaller when you move outside the focal length (but this is a long way).



Accompanying sheet

Shaving Mirror

Look at your reflection in the shaving mirror.

What do you notice about the reflection?

Examine the mirror closely.

What can you say about the shape of the mirror?