

**Answer on Question #46976, Physics, Optics**

*What type of mirror would you use to produce a magnified image of your face?*

*plane*

***concave***

*convex*

*diffuse*

All images in convex mirror will be smaller than object. Diffuse and plane mirror will not magnify the object. Therefore, the only mirror we can use is concave mirror. Object should be placed closer than center of concave mirror to get magnified image.