## **Ray Diagrams for Concave Mirrors**

Read from Lesson 3 of the Reflection chapter at The Physics Classroom:

## http://www.physicsclassroom.com/Class/refln/u13l3d.html http://www.physicsclassroom.com/Class/refln/u13l3e.html

## **MOP Connection:**

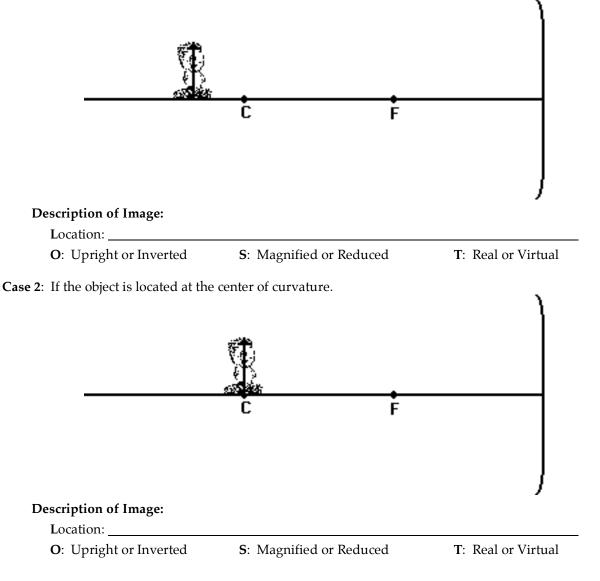
Reflection and Mirrors: sublevels 5 and 6

For the following mirrors and corresponding object positions, construct ray diagrams. Then describe the Location of the image, **O**rientation (upright or inverted) of the image, the relative **S**ize of the image (larger or smaller than object), and the Type of image (real or virtual). For **Case 4**, merely construct the ray diagram.



NOTE: 1) All light rays have arrowheads that indicate the direction of travel of the ray.
2) Always draw in the image once located (an arrow is a good representation).
3) Exactness counts. Use a straightedge and be accurate.

Case 1: If the object is located "beyond" the center of curvature.



## Light, Reflection and Mirrors

