

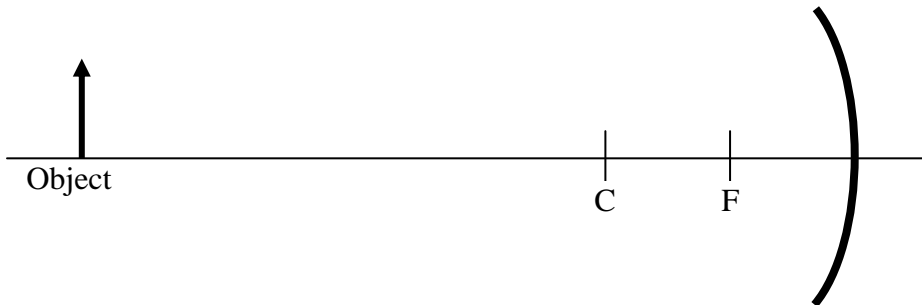
**Mirror Ray Diagram**

**Directions:** Use the rules from the *Optical Ray Diagram Rules* information sheet, follow along with your teacher to draw the ray diagrams for the various cases of optical references.

*Curved Mirrors*

**Spherical Concave Mirror**

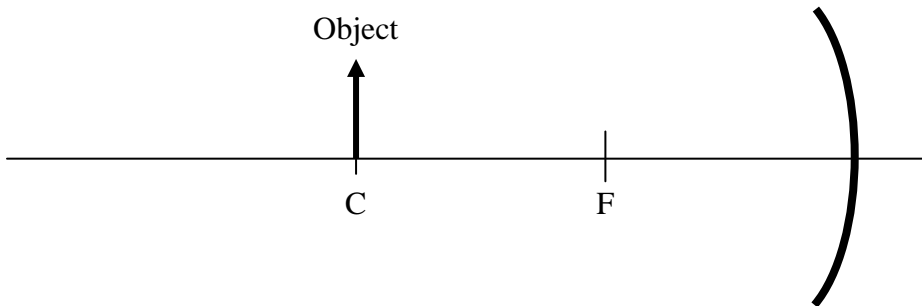
**Case I: Object is far beyond C (at  $\infty$ )**



Case I: Image Appears:

1. Location: \_\_\_\_\_
2. Orientation: \_\_\_\_\_
3. Size: \_\_\_\_\_
4. Image Type: \_\_\_\_\_

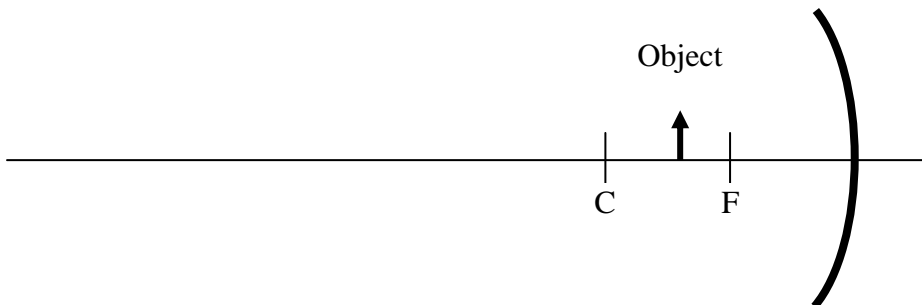
**Case II: Object is at C**



Case II: Image Appears:

1. Location: \_\_\_\_\_
2. Orientation: \_\_\_\_\_
3. Size: \_\_\_\_\_
4. Image Type: \_\_\_\_\_

**Case III: Object is between C and F**

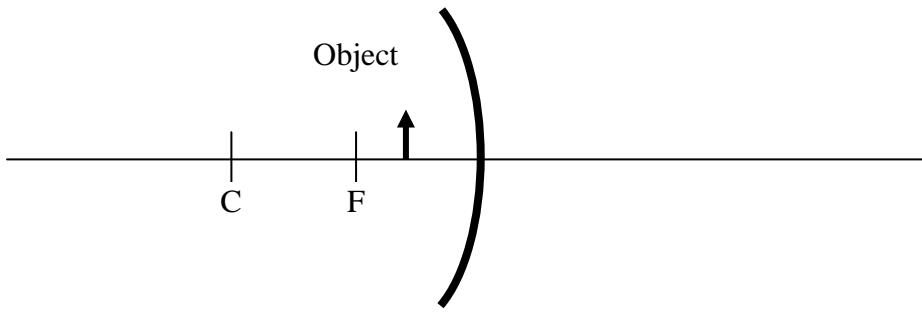


Case III: Image Appears:

1. Location: \_\_\_\_\_
2. Orientation: \_\_\_\_\_
3. Size: \_\_\_\_\_
4. Image Type: \_\_\_\_\_

(Over)

**Case IV: Object is inside F (between F and Mirror)**



Case IV: Image Appears:

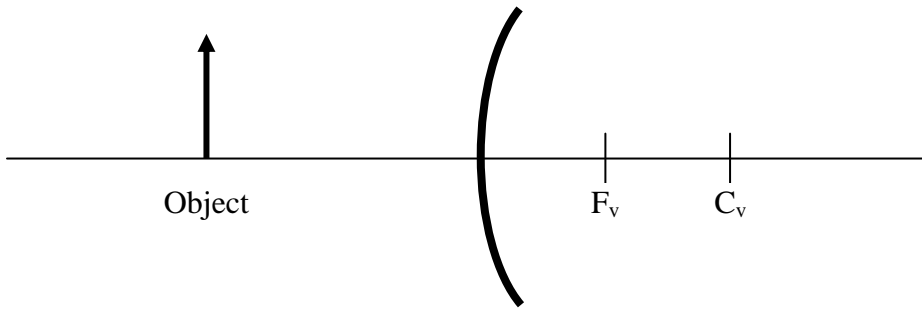
1. Location: \_\_\_\_\_

2. Orientation: \_\_\_\_\_

3. Size: \_\_\_\_\_

4. Image Type: \_\_\_\_\_

**Spherical Convex Mirror** Has only ONE case.



Convex Mirror's Image Appears:

1. Location: \_\_\_\_\_

2. Orientation: \_\_\_\_\_

3. Size: \_\_\_\_\_

4. Image Type: \_\_\_\_\_