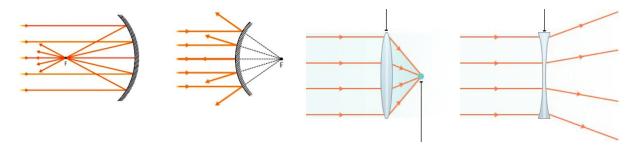
Dangers and Uses of Electromagnetic Radiation

			Type of Radiation	Uses and/or Dangers
Low Energy ← ENERGY → High Energy	Low Frequency ← <u>FREQUENCY</u> → High Frequency	- WAVELENGTH → Short Wavelength	Type of Radiation	Uses and/or Dangers
		Wavelength 🗲		
		Long Wa		

rovi	de definitions for each of the following terms:
-	incandescent light source (give examples):
_	fluorescence:
-	phosphorescence:
-	chemiluminescence:
_	bioluminescence:
-	converging vs diverging rays:
	is the colour temperature relationship for incandescent sources?

Label each mirror or lens as either concave or convex <u>AND</u> diverging or converging



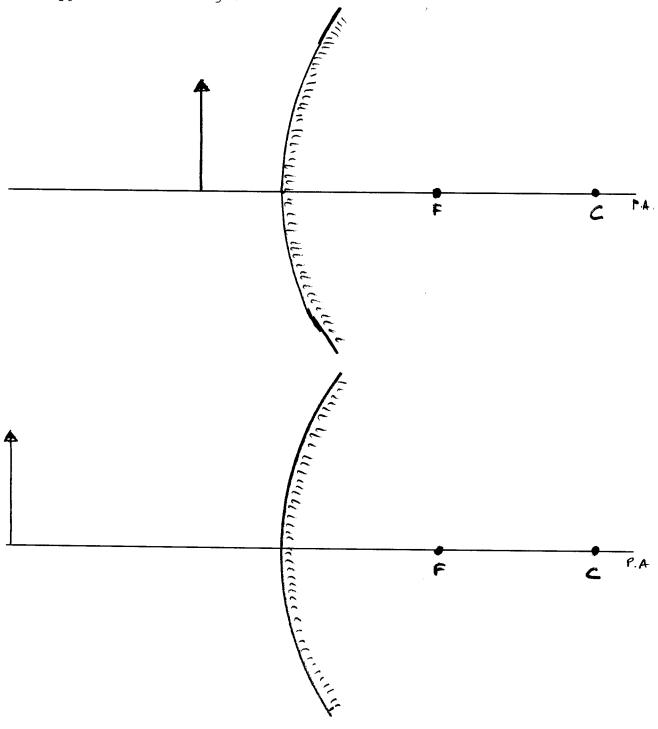
Draw two diagrams that illustrate the principle of refraction. The first diagram should be for a ray of light travelling from air to water (from less optically dense to more optically dense). The second diagram should be for a ray of light travelling from water to air (from more optically dense to less optically dense). Label completely! Which way does the ray bend???



Name:	
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Convex Mirror Ray Diagrams

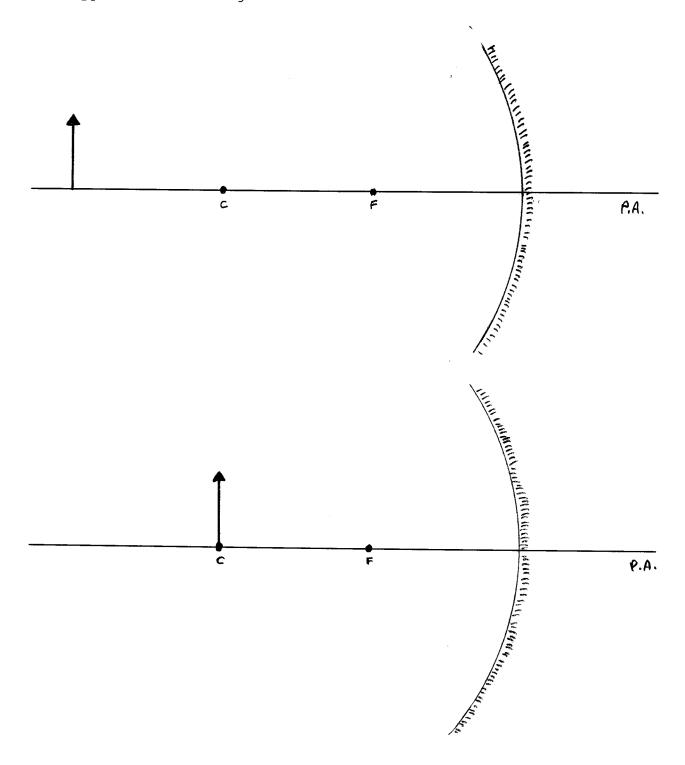
For each of the following objects, draw and locate the image using the four ray method. State the size, orientation, location and type for each image:

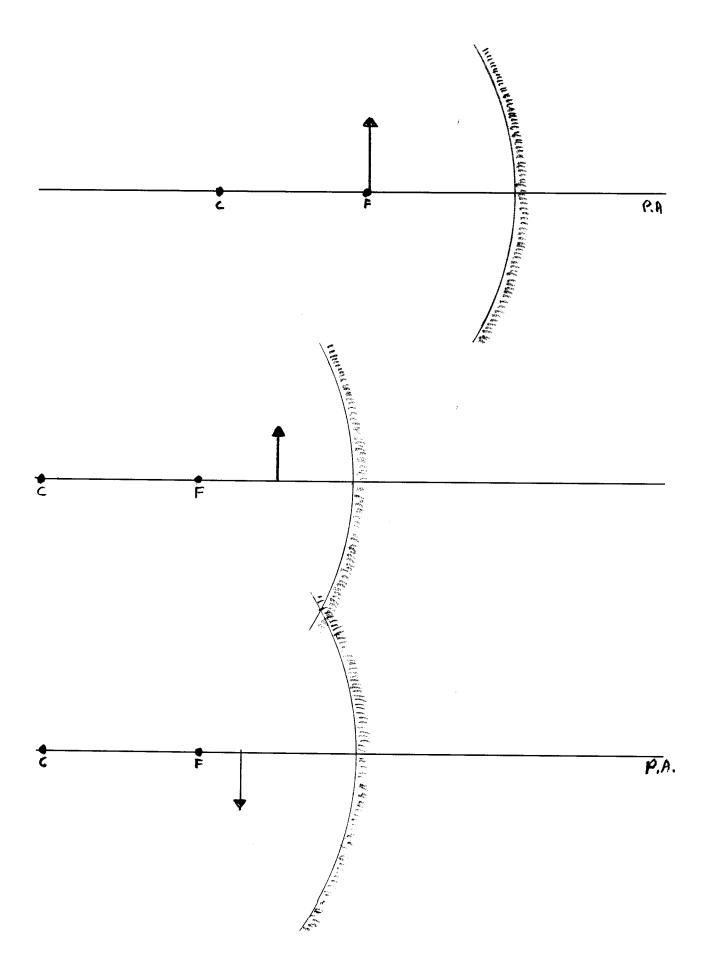


Name	:	

Concave Mirror Ray Diagrams

For each of the following objects, draw and locate the image using the four ray method. State the size, orientation, location and type for each image:





Converging & Diverging Lenses Ray Diagrams

