

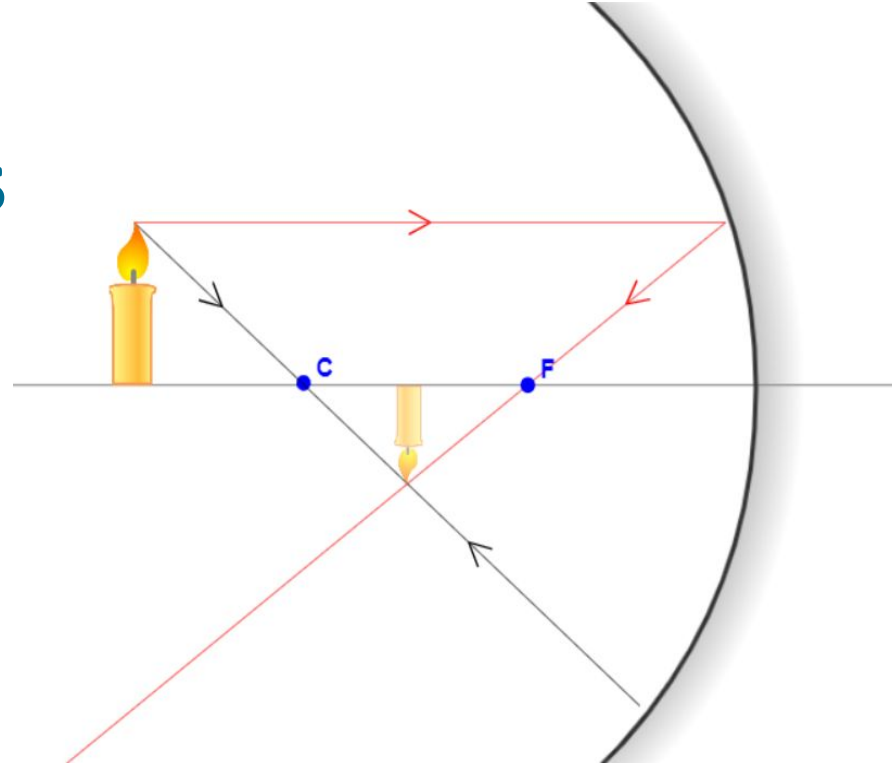
Concave Mirror

-> Image Characteristics

Complete the table on the next slide using the Scoilnet [Concave Mirror animation](#).

Instructions:

- Click and drag the candle to move it along the optic axis.



Concave Mirror - Image Characteristics

Object Location	Image Location	Image Orientation	Image Size	Image Type
Object inside the focal point (F)				
Object at the focal point (F)				
Object between the focal point (F) and the centre of curvature (C)				
Object at the centre of curvature (C)				
Object outside the centre of curvature (C)				
Distant Object				

Note: If the object is inside the focal point, a _____ image is formed. If the object is outside the focal point, a _____ image is formed.

Concave Mirror - Image Characteristics

Object Location	Image Location	Image Orientation	Image Size	Image Type
Object inside the focal point (F)	Image behind the mirror	Upright	Magnified	Virtual Image
Object at the focal point (F)	Image at infinity			
Object between the focal point (F) and the centre of curvature (C)	Image beyond C	Inverted	Magnified	Real Image
Object at the centre of curvature (C)	Image at C	Inverted	Same Size	Real Image
Object outside the centre of curvature (C)	Image between the focal point (F) and the centre of curvature (C)	Inverted	Diminished	Real Image
Distant Object	At focal point (F)	Inverted	Diminished	Real Image

Note: If the object is inside the focal point, a **virtual** image is formed. If the object is outside the focal point, a **real** image is formed.