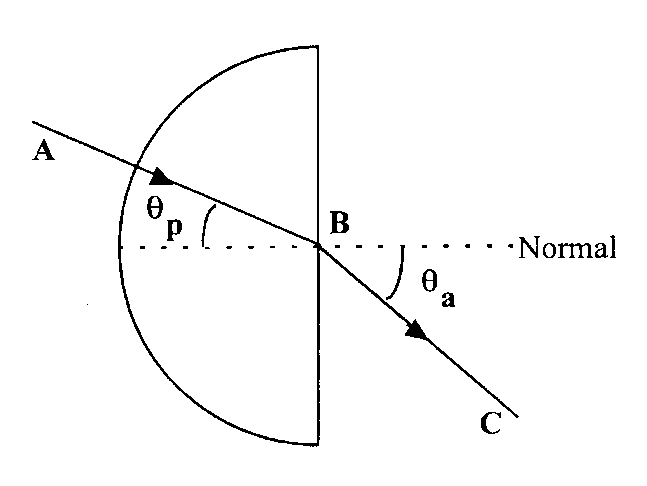
H

Higher Assignment  
Guide Sheet B: Critical Angle



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**Instructions**

* Place the block on the white paper and trace around its outline. Draw in the normal at the midpoint **B.**
* Draw a line representing the angle θp = 10°, the line **AB** in the diagram above.
* Direct the raybox ray along **AB** and mark in the point **C** where the ray emerges.
* Draw a line representing the refracted ray, the line **BC** in the diagram above.
* Measure the angle θa, the refracted angle in air.
* Use an appropriate format to record your results.
* Repeat for other values of incident angle θp.
* Determine the critical angle θc for this perspex block.