

Name_____

Class_____Date_____

Snell's Law

Aim

To observe the path of a beam of white light through a glass rectangular prism, and thus confirm Snell's Law

Equipment

Ray Box with single slit

Transformer Rectifier

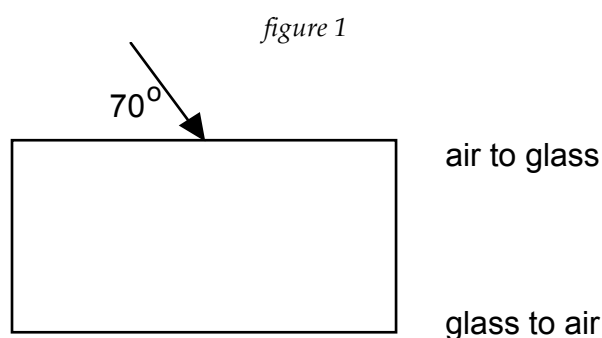
Glass slab

Protractor

White Paper

Method

Set up the experiment as shown in figure 1, on the white paper. Accurately record the path through the slab on the paper.



Change the angle to about 30° , and repeat.

Make sure you have a sufficient number of measurements for each angle.

Interpretation

What relationship would you expect between the refractive index of glass to air and the refractive index of air to glass?

Did you find it?