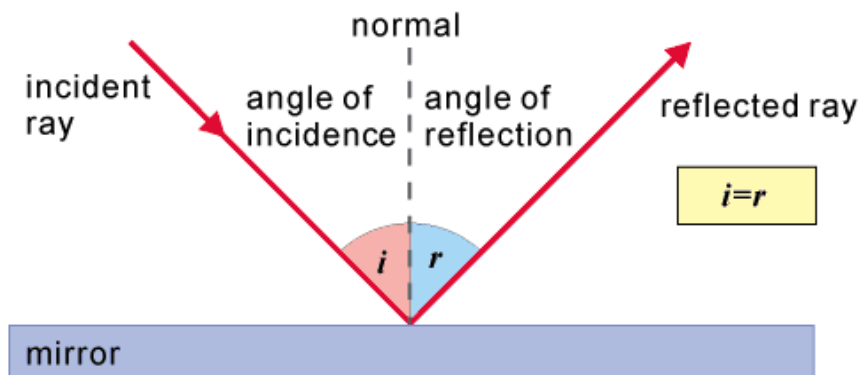


Reflection Law Lab using PhET Bending Light Simulation

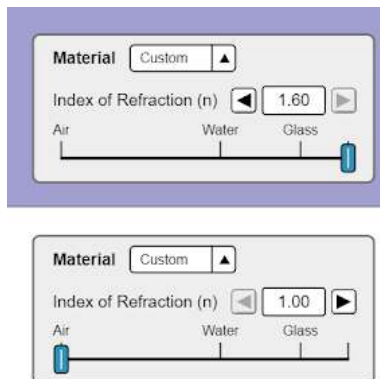


Goal: Test the law of reflection.

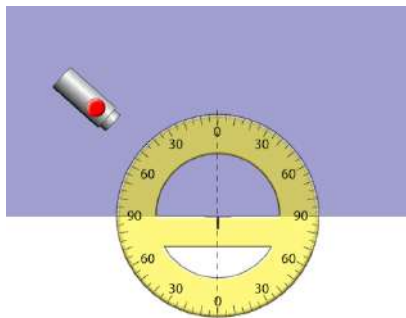
You and a small group will test the law of reflection using the [PhET Bending Light simulation](#). You are taking data of the angle of incidence and the measured angle of reflection. You must test 5+ angles of incidence.

Procedure:

1. Go to the [PhET Bending Light simulation](#) and click on Intro
2. Set the top material box slider all the way to the right and the bottom material box slider all the way to the left

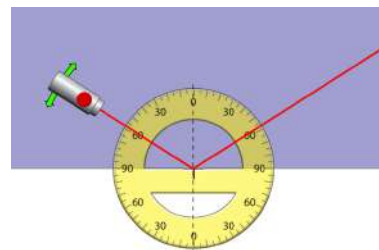


3. Place the protractor so that the 90 is on the horizontal line between the two mediums and the 0 lines up with the vertical dotted line



4. Test 5+ angles of incidence by moving the laser pointer. For each angle of incidence, record the angle of reflection and record them below

Angle of incidence	Angle of reflection



5. Create a graph of your data - Angle of Incidence on the x and angle of reflection on the y
6. Create a claim, evidence, reasoning answering the question: **What does the law of reflection tell us?**
Use at least 3 evidence pieces to support your claim.