Physics 100

Refraction Practice

For each diagram, draw/label the **normal**, the **angle of incidence**, **angle of refraction**, and the **angle of reflection**.

Diagram

Description automatically generated with low confidenceDiagram

Description automatically generated

Diagram

Description automatically generatedDiagram

Description automatically generated

Table

Description automatically generated

Given that the speed of light in a vacuum is is C = 3x108 m/s….

1. Find the speed of of light in a substance with n = 1.8.

2. Find the speed of of light in a substance with n = 2.3.

3. Find the value of n for a substance in which the speed of light is 1.38x108m/s. Identify this substance.

4. Find the value of n for a substance in which the speed of light is 0.85 x108m/s. Identify this substance using the table on the right.