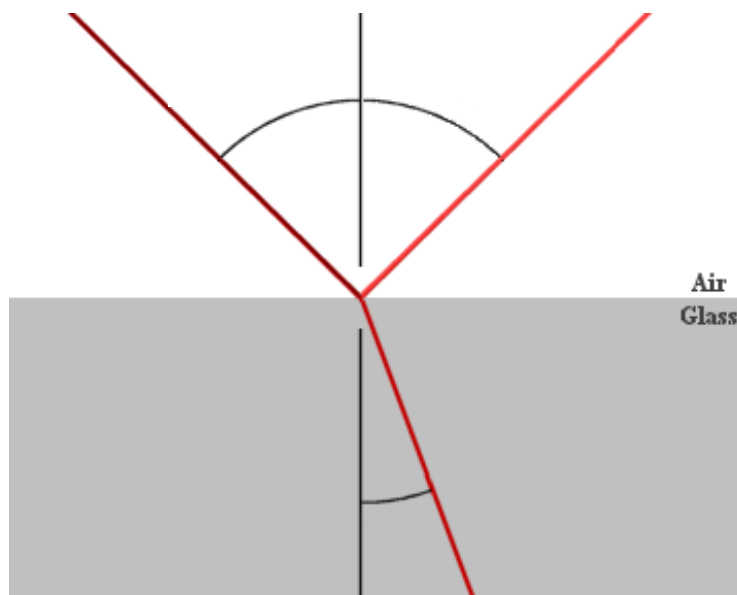


## Refraction

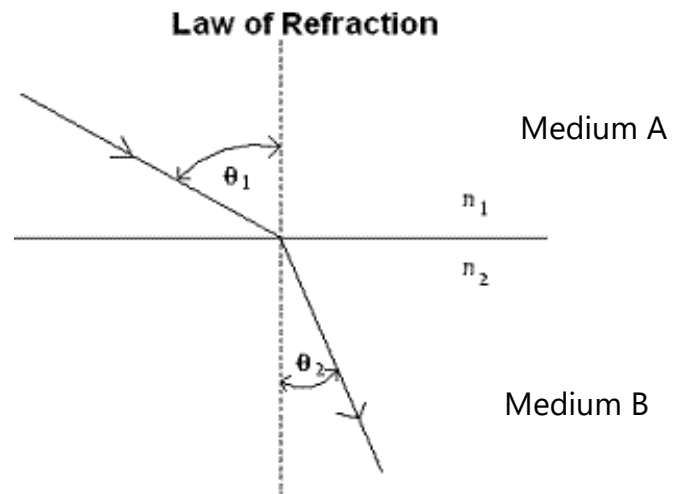
Read pages 515 - 518 and complete the following questions.

1. Explain what is meant by the term *refraction*.
2. Explain why refraction takes place.
3. How does a wagon help explain how refraction works?

3. Write out the 2 **rules for refraction** and label the diagram below with the following terms: **incident ray**, **reflected ray**, **angle of incidence**, **angle of reflection**, **normal**, **refracted ray**, **angle of refraction**.



4. The diagram below represents a beam of light going from one medium into another. One medium is air, in which light has a speed of  $3.00 \times 10^8$  m/s. The other medium is ice, in which light has a speed of  $2.29 \times 10^8$  m/s. Use this information to identify medium A and medium B. Explain your choice.



5. Explain why a spoon in a glass of water appears bent.

