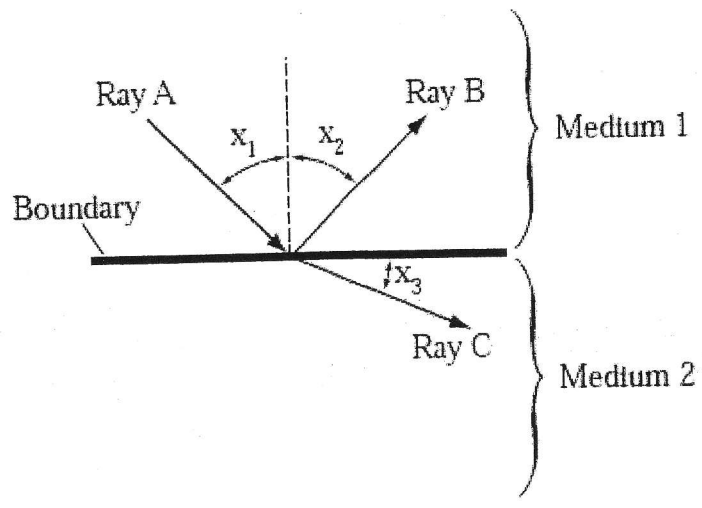


OPEN RESPONSE:

#5 Waves

The diagram below shows what happens when a particular light wave strikes a boundary.



- a. Identify each light ray, A, B, and C, as an incident, a refracted, or a reflected ray.
- b. Describe the relationship between angles  $x_1$  and  $x_2$ .
- c. Describe how this setup could be changed so that the size of angle  $x_3$  is different.