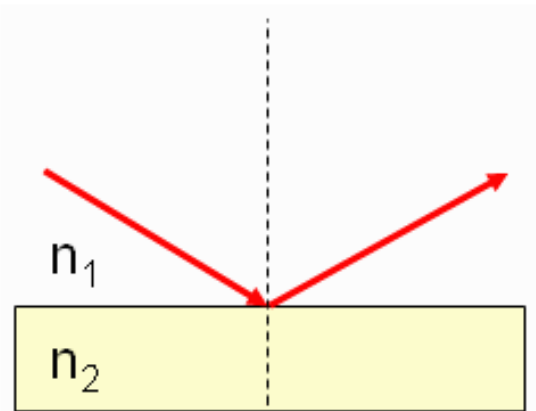


# CheckPoint 2b

A light ray travels in a medium with  $n_1$  and completely reflects from the surface of a medium with  $n_2$ .



The critical angle depends on:

- A  $n_1$  only
- B  $n_2$  only
- C both  $n_1$  and  $n_2$**

Critical Angle

$$\theta_c = \sin^{-1}\left(\frac{n_2}{n_1}\right)$$

$\theta_c$  clearly depends on both  $n_2$  and  $n_1$

Reflection and Refraction at a Surface:  
Question 3 (N = 834)

