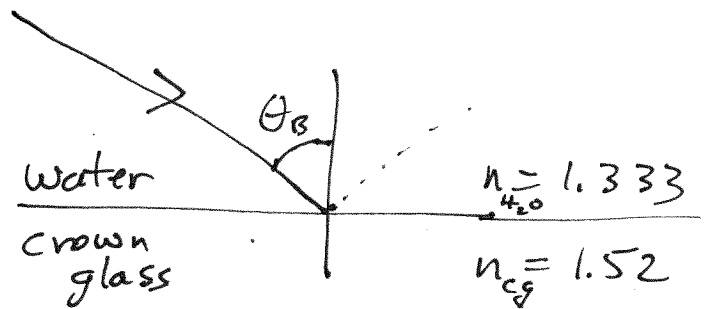


Ch.1 Prob.74



Find The Brewster angle for light traveling in water and reflecting off of crown glass.

$$\text{Now } \tan \theta_b = \frac{n_2}{n_1}$$

where n_1 is the index of refraction of the original material being traveled through
 n_2 is the index of refraction of the surface being struck by the light.

$$\tan \theta_b = \frac{1.52}{1.333} = 1.140.$$

$$\theta_b = 48.8^\circ$$