• Boric acid, $B(OH)_3$ , is a weak acid ( $pK_a = 9.24$ ) that is used as a mild antisep eye wash. Unusually, the Lewis acidity of the compound accounts for its Bra acidity. By using an appropriate chemical equation, show how this compound a Brønsted acid in aqueous solution.	ønsted
Solution A consists of a 0.40 M aqueous solution of boric acid at 25 °C. Cale	culate the
pH of Solution A.	
pH = At 25 °C, 1.00 L of Solution B consists of 101.8 g of NaB(OH) <sub>4</sub> dissolved in Calculate the pH of Solution B.	water.
pH =	
Using both Solutions A and B, calculate the volumes (mL) required to prepare solution with a $pH = 8.00$ .	re a 1.0 L