

19.2 Hydrogen Ions and Acidity

Water molecules can 1 to form hydrogen ions (H^+) and hydroxide ions (OH^-). The concentrations of these ions in pure water at 25°C are both equal to 2 mol/L.

The pH scale, which has a range from 3 , is used to denote the 4 concentration of a solution. On this scale, 0 is strongly 5 , 14 is strongly 6 , and 7 is 7 . Pure water at 25°C has a pH of 8 .

The 9 constant for water has a value of 1.0×10^{-14} .

Thus, the product of the concentrations of 10 ions and 11 ions in aqueous solution will always equal 1.0×10^{-14} .

19 2 Hydrogen Ions And Acidity Answer

Wolfgang Guggemos



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