

Water Equilibrium (cont.)

In previous example, when the ionization did not occur at 100%, we have been given the new concentration of the products.

We can calculate the molarity of the products based on the percent of the ionization as well.

Example

What is the hydrogen ion concentration of a 0.56 M solution of hypochlorous acid (HClO) if we assume 2.5% ionization?

Example

What is the hydroxide ion concentration of 2.50×10^2 mL of a solution that was prepared by dissolving 5.50g of ethanoic (acetic) acid? (2.3% ionization)

Water Equilibrium Worksheet