**Calculating [OH-] from Kw and [H3O]**

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**1.) The concentration of H3O+ ions in run off from a coal mine is 1.4 x 10-4 M. Calculate the concentration of OH- ions and classify the solution as acidic, neutral or basic.**

**2.) The concentration of OH- ions in a sample of seawater is 2.0 x 10-6 M. Calculate the concentrations of H3O+ ions and classify the solution as acidic, neutral or basic.**