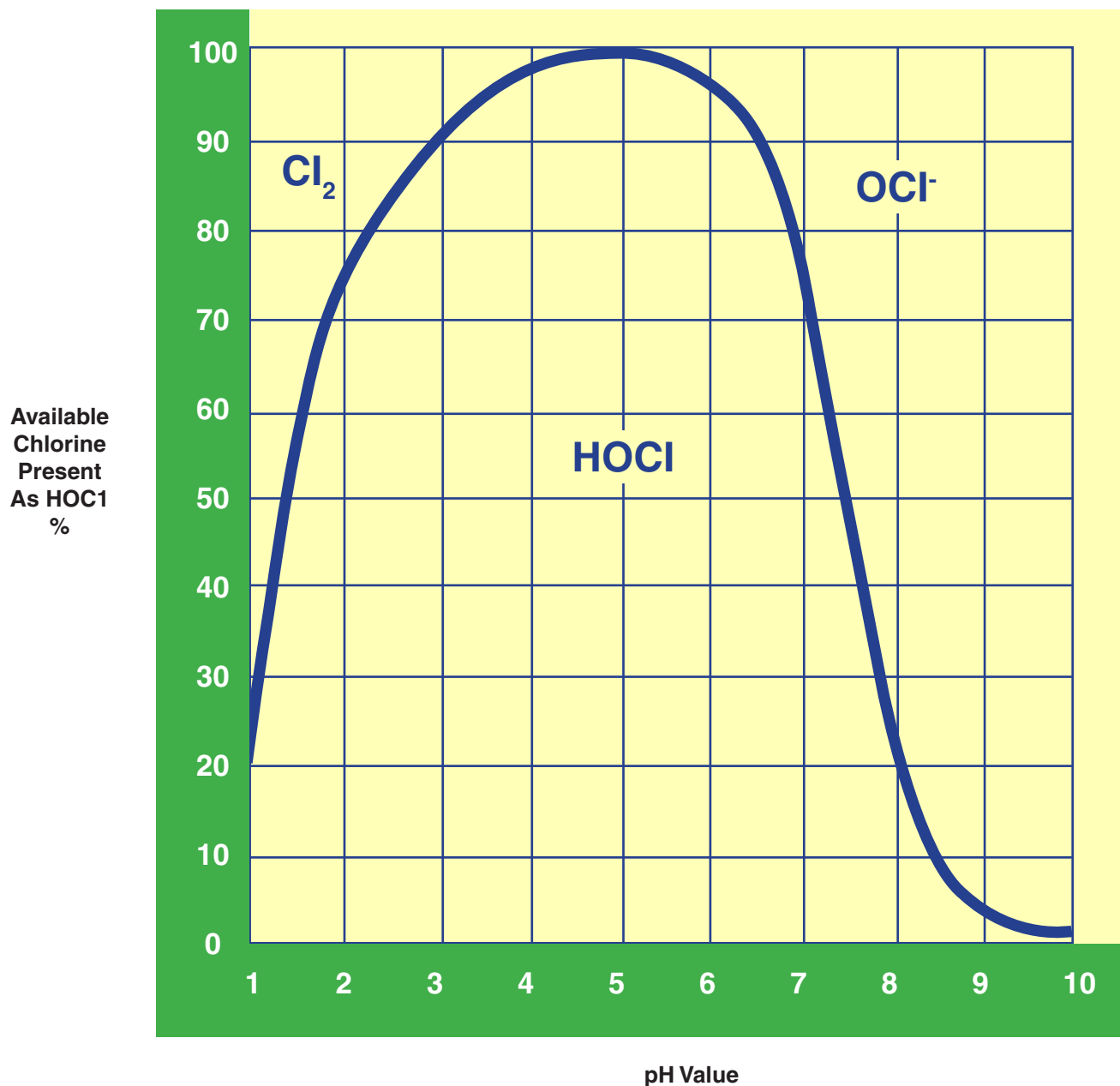


pH and Chlorine Relationship



The table above shows the effect of pH value on the form of Free Chlorine in water at 25° C.

As the pH falls below 2, the predominant form is Cl_2 . Between pH 2 and 7, the equilibrium is in favor of HOCl. At pH 7.4, HOCl and OCl^- are about equal while above this pH value there are increasing proportions of OCl^- present.

A test kit which measures free chlorine will indicate the combined concentrations of HOCl, OCl^- and Cl_2 .