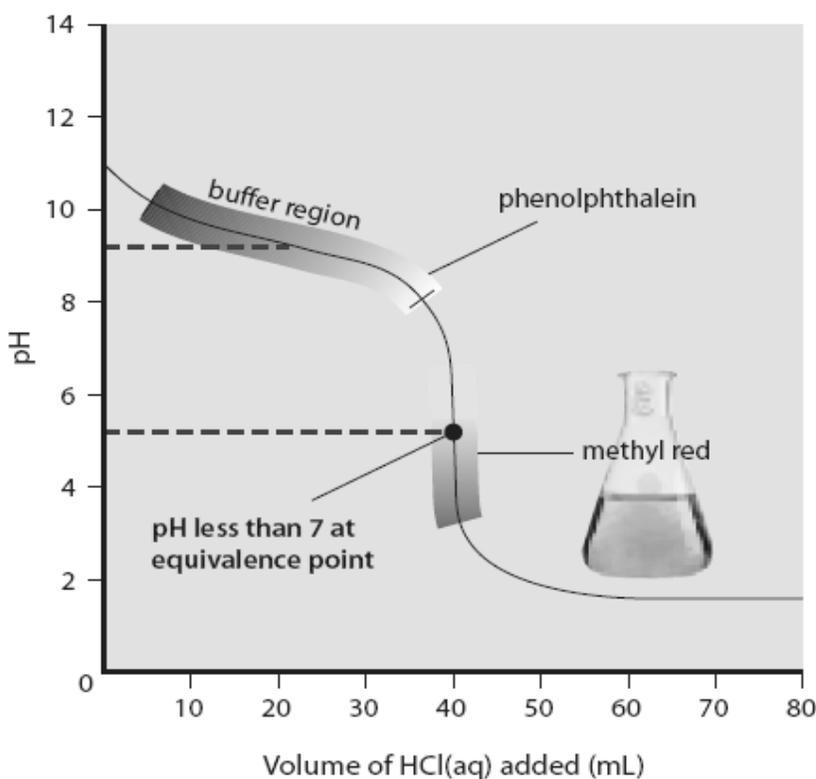


**The curve for a weak acid–strong base titration,** such as ethanoic acid with sodium hydroxide. In this case, equivalence occurs when 40 mL of sodium hydroxide has been added. Note that the middle of the buffer region is at the half-titration point, when half (20 mL) of the NaOH(aq) has been added.



**The curve for a strong acid–weak base titration,** such as hydrochloric acid with aqueous ammonia.