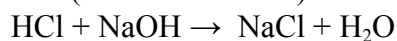
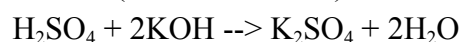


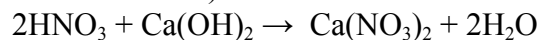
1. How many mL of 0.850 M HCl are needed to reach the equivalence point with 250. mL of 0.400 M NaOH according to the following balanced reaction. (Answer: 118 mL)



2. 20.0 mL of 2.00 M H_2SO_4 was placed into a beaker and mixed with 50.0 mL of KOH. What must the molarity of the KOH be to reach equivalence? (Answer: 1.60 M)



3. How many liters of 0.450 M $\text{Ca}(\text{OH})_2$ solution are needed to titrate 1.50 L of 0.100 M HNO_3 according to the following balanced reaction? (Answer: 0.167 L)



4. What's the concentration of HBr when 15.0 mL are needed to reach the equivalence point with 150. mL of 0.600 M KOH according to the following balanced reaction. (6.00 M)

