

Titration Calculation Questions

1. What volume of hydrochloric acid (concentration 0.1 mol l^{-1}) is required to neutralise 50 cm^3 of sodium hydroxide solution (concentration 0.2 mol l^{-1})?
2. What is the concentration of sulphuric acid if 50 cm^3 are neutralised by 25 cm^3 of potassium hydroxide solution (concentration 1 mol l^{-1})?
3. What volume of nitric acid (concentration 2 mol l^{-1}) is required to neutralise 20 cm^3 of sodium hydroxide solution (concentration 0.5 mol l^{-1})?
4. What is the concentration of hydrochloric acid if 2.6 cm^3 neutralises 20 cm^3 of potassium hydroxide solution (concentration 0.1 mol l^{-1})?
5. What is the concentration of sulphuric acid if 7.3 cm^3 neutralises 25 cm^3 of sodium hydroxide solution (concentration 0.5 mol l^{-1})?