

- 16) What is the concentration of Ca^{2+} ion remaining after CaCO_3 precipitates when 50.0 ml of 0.10 M CaCl_2 is added to 50.0 ml of 0.10 M Na_2CO_3 ? K_{sp} for CaCO_3 is 3.8×10^{-9} .

What is the pH of a 0.15 M solution of NH_3 ? $K_{\text{b}} = 1.78 \times 10^{-5}$

What is the PH of a 0.15 M solution of NH_4^+ ?