

Participation Assignment

CHEM 1100-General Chemistry II

Name:

#14

Section: 31, TR

Due Date: Tuesday 2/26/2019

1. The solubility of silver chloride, AgCl, is 1.9×10^{-6} g/mL at 25 °C. Calculate the K_{sp} of silver chloride.

2. Calculate the molar solubility of MgF_2 .

3. Calculate the molar solubility of MgF_2 in 0.025 M NaF. The K_{sp} for MgF_2 is 5.16×10^{-11} .

4. Will a precipitate form if equal volumes of aqueous solutions of 1.0×10^{-5} mol/L $\text{Ba}(\text{NO}_3)_2$ and 4.0×10^{-5} mol/L Na_2CO_3 are mixed?