

George Mason University
CHEM 321: 15 MINUTE QUIZ
Chapters 1 and 3

Name _____

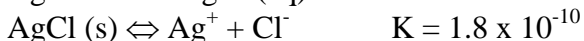
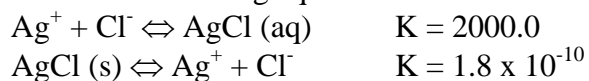
(Show work to get full credit)

1. (5 points)

How many grams of solid KF should be added to 10.0 L of water to give 1.2 ppm F⁻?
(At wts: F = 18.998, K = 39.098)

2. (5 points)

Given the following equilibria:



Find K for $\text{AgCl (aq)} \rightleftharpoons \text{AgCl (s)}$.

3. (10 points)

To prepare a solution of NaCl, you weigh out 2.567 (± 0.002) g and dissolve it in a volumetric flask of 100.00 (± 0.10) mL in volume. Express the molarity of the solution and its uncertainty with appropriate number of significant figures. (Formula mass of NaCl is 58.443 ± 0.002 g/mol)