

SOLUBILITY PRODUCT CONSTANT (K_{SP})

Name _____

1. What is the solubility, in moles/liter, of AgBr if the $K_{SP} = 5.0 \times 10^{-13}$?

2. If the solubility of $Li_2CO_3 = 0.15$ moles/liter, what is its K_{SP} at this temperature?

3. What is the solubility, in moles/liter, of PbI_2 if the $K_{SP} = 8.5 \times 10^{-9}$?

4. If the solubility of $Ag_2CrO_4 = 7.2 \times 10^{-5}$ moles/liter, what is its K_{SP} ?

5. How many moles of AgCl will dissolve in 500. mL of water if the $K_{SP} = 1.7 \times 10^{-10}$?