

recap

Solubility & K_{sp}

- Determine the molar solubility of an "insoluble" salt using K_{sp} & ice chart.
- Given molar solubility, find K_{sp} .
- Determine the molar solubility of an "insoluble" salt in water vs. a common ion.
- Describe how to increase solubility of an "insoluble" carbonate salt or insoluble hydroxide salt.
- Determine if a ppt will form comparing Q to K_{sp}

$Q = K_{sp}$ saturated solution

$Q < K_{sp}$ unsaturated solution
no ppt forms

$Q > K_{sp}$ ppt forms