

5. Calculate the maximum molarity for PbCl_2 in a solution that contains 0.42 M KCl .
6. Calculate the maximum molarity for SrCO_3 in a solution that contains 0.15 M $\text{Sr(NO}_3)_2$.
7. (a) What is the maximum molarity of Ca(OH)_2 in pure water?
- (b) What is the maximum molarity of Ca(OH)_2 in a $\text{pH} = 12.0$ buffer solution?
- (c) Compare your solubility values from parts **a** and **b**. Is Ca(OH)_2 more or less soluble under basic conditions?