

Interpreting Solubility Curves

NAME _____

Using the graph on Master 12-1, answer the following questions.

- Which substance does not appear to increase greatly in solubility as the temperature is increased? _____
- Which substance appears to decrease in solubility as the temperature is increased? _____
- Which substance appears to increase most in solubility as the temperature is increased? _____
- Which substance is most soluble at 0°C? _____
- Which substance is least soluble at 0°C? _____
- Which two substances have the same solubility at 71°C? _____
- What is the most KNO_3 that can be dissolved at 70°C? _____
- What is the most NH_4Cl that can be dissolved at 70°C? _____
- At 70°C which substance, KNO_3 or NH_4Cl , can form the more concentrated solution? _____
- At what temperature would you need 100 g of water to dissolve 70 g of NH_4Cl ? _____
- At what temperature would you need 100 g of water to dissolve 70 g of KNO_3 ? _____

Solubility Curves

