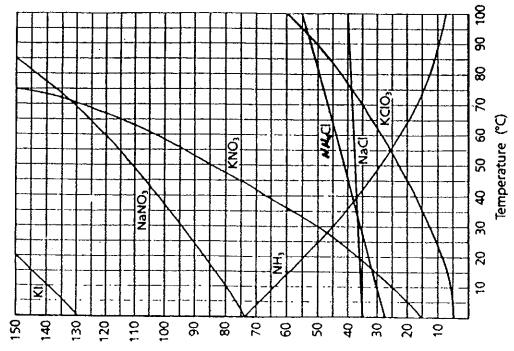
Interpreting Solubility Curves

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

- 1. Which substance does not appear to increase greatly in solubility as the temperature is increased?
- 2. Which substance appears to decrease in solubility as the temperature is increased?
- 3. Which substance appears to increase most in solubility as the temperature is increased?
- 4. Which substance is most soluble at 0°C?_____
- 5. Which substance is least soluble at 0°C?_____
- 6. Which two substances have the same solubility at 71°C?_____
- 7. What is the most KNO₃ that can be dissolved at 70°C?_____
- 8. What is the most NH₄Cl that can be dissolved at 70°C?_____
- 9. At 70°C which substance, KNO3 or NH₂Cl, can form the more concentrated solution?
- 10. At what temperature would you need 100 g of water to dissolve 70 g of NH₄Cl?
- 11. At what temperature would you need 100 g of water to dissolve 70 g of KNO₃?____





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