

Name: _____ Period: _____ Score: _____

Solubility Curve Worksheet

Using the graph on the back of this sheet, answer the following questions.

1. Which substance does not greatly increase in solubility as the temperature increases?
2. Which substance decreases in solubility as the temperature is increased?
3. Which substance increases most in solubility as the temperature increases?
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 75°C ?
7. What is the most potassium nitrate that can be dissolved at 70°C ?
8. What is the most ammonium chloride that can be dissolved at 70°C ?
9. At 70°C , which substance, potassium nitrate or ammonium chloride, can form the more concentrated solution?
10. At what temperature would you need 100g of water to dissolve 70g of ammonium chloride?

Solubility Curves

