Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_

Solubility Curves



1. How much KNO3 can be dissolved at 40o C ?

2. At what temperature can you dissolve 70 grams of KNO3 ?

3. What kind of solution is 80 grams of KNO3 at 50o C ?

4. What kind of solution is 60 grams of KNO3 at 60o C ?

5. What kind of solution is 40 grams of KNO3 at 10o C ?



1. How much KCl can be dissolved at 40o C ?

2. At what temperature can you dissolve 40 grams of KNO3 ?

3. What kind of solution is 80 grams of NaClat 50o C ?

4. What kind of solution is 60 grams of KNO3 at 60o C ?

5. What kind of solution is 40 grams of KCl at 45o C ?

6. At what temperature can you dissolve 40 grams of NaCl?

**Table G: Solubility Curve Questions**

1) What much solute can be dissolved of KNO3 at 70°C ?

2) At what temperature is watersaturated with 15 grams of NH3?

3) Which of the three substances (NaCl, KNO3, NH4Cl ) is most soluble in water at 15°C?

4) Is 50g of KCl at 80°C saturated, unsaturated or supersaturated?

5) How much KNO3 can be dissolved in 100 g of water at 25oC?

6) How much KNO3 can be dissolved in 50 g of water at 30oC?

7) How many grams of NaNO3 will precipitate (fall) out of a 100ml solution when a saturated solution at 450C is cooled to 100C?

8) Given a 100ml solution containing 10 grams of NaCl at 90oC, how many more grams of NaCl are required to reach saturation?