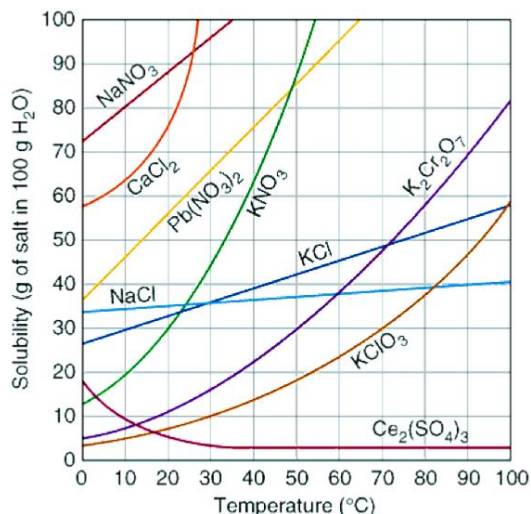


Solubility Graphs

Name: _____

Using the following graph to answer the questions.



1) A solution is made by dissolving 25 grams of calcium chloride in 100 grams of 5 °C water. What type of solution was made?

2) A 34.2 pph solution of potassium chlorate is warmed to 90 °C. What type of solution was made?

3) How many grams of lead (II) nitrate can dissolve in 100 g of 40 °C water?

4a) What are the two most soluble substances at 20 °C?

4b) What are the two least soluble substances at 20 °C?

5) How many grams of cerium (III) sulfate would dissolve in 250 grams of 0 °C water?

6) How many grams of potassium dichromate would dissolve in 900 grams of 100 °C water?

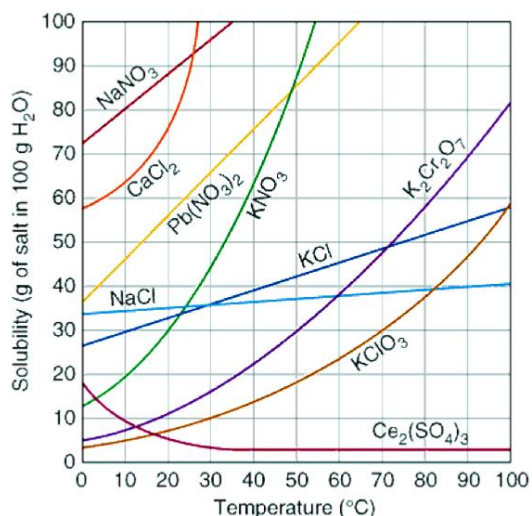
7) A student makes a saturated solution of sodium nitrate with water at 10 °C. What is the pph of the solution?

8) If 300 g potassium nitrate needed to be dissolved in order to make a saturated solution, approximately how much water would be needed at 25 °C?

Solubility Graphs

Name: _____

Using the following graph to answer the questions.



1) A solution is made by dissolving 25 grams of sodium chloride in 100 grams of 5 °C water. What type of solution was made?

2) 52 grams of potassium chloride is dissolved in 100 grams of water at 90 °C. What type of solution was made?

3) How many grams of lead (II) nitrate can dissolve in 100 g of 60 °C water?

4a) What are the two most soluble substances at 10 °C?

4b) What are the two least soluble substances at 10 °C?

5) How many grams of cerium (III) sulfate would dissolve in 250 grams of 10 °C water?

6) How many grams of potassium dichromate would dissolve in 90 grams of 90 °C water?

7) A student wants to make a saturated solution of potassium nitrate with 40 °C. What is the pph of the solution?

8) If 300 g potassium chlorate needed to be dissolved in order to make a saturated solution, approximately how much water would be needed at 70 °C?