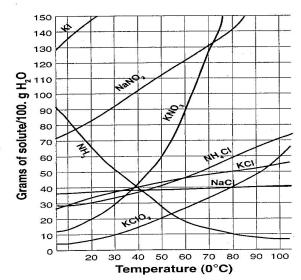
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Name _____

Answer the following questions based on the solubility curve below.

- Which salt is least soluble in water
 at 20° C?

- How many grams of potassium chloride can be dissolved in 200 g of water at 80° C?
- 3. At 40° C, how much potassium nitrate can be dissolved in 300 g of water?
- Which salt shows the least change in solubility from 0° – 100° C?
- 5. At 30° C, 90 g of sodium nitrate is dissolved in 100 g of water. Is this solution saturated, unsaturated or supersaturated?



- 6. A saturated solution of potassium chlorate is formed from one hundred grams of water. If the saturated solution is cooled from 80° C to 50° C, how many grams of precipitate are formed?
- 7. What compound shows a decrease in solubility from 0° to 100° C?
- 8. Which salt is most soluble at 10° C?
- 9. Which salt is least soluble at 50° C?
- 10. Which salt is least soluble at 90° C?