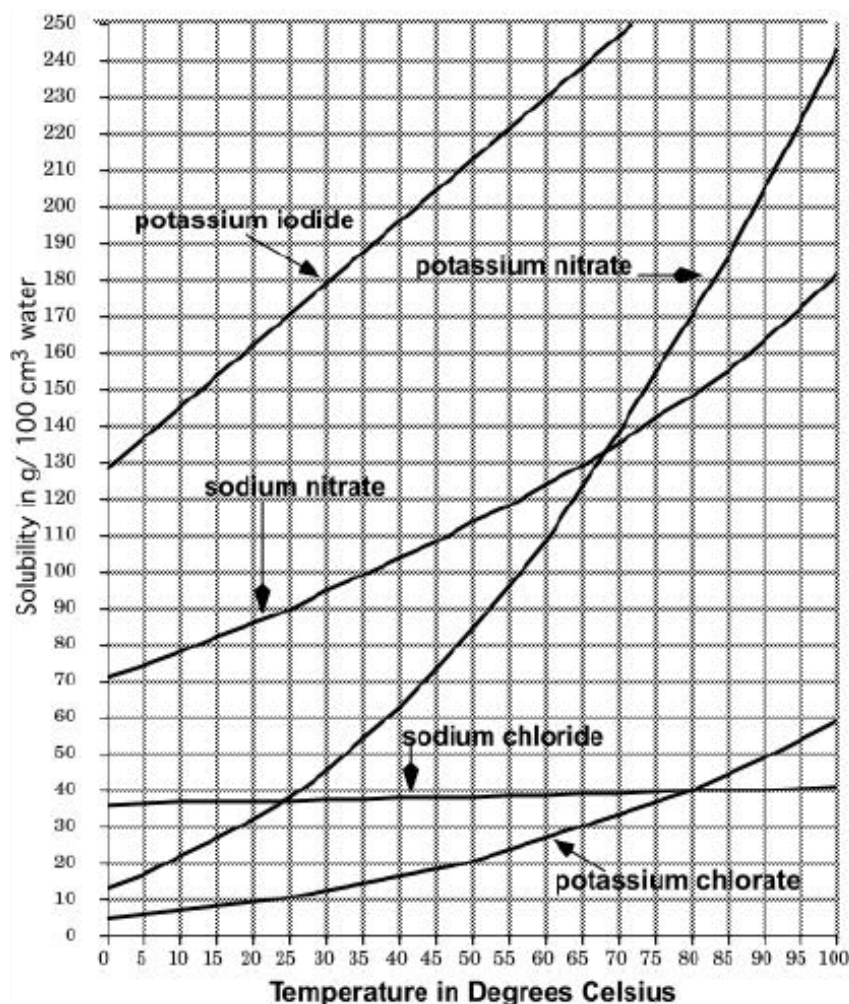


Honors Chemistry: Solutions 2 Problem Set- Properties of Solutions

1. Why do the temperatures on the graph only go from 0° C to 100° C?
2. Which substance is most soluble at 60° C?
3. Which two substances have the same solubility at 80° C?
4. Which substance's solubility changes the most from 0° C to 100° C?
5. Which substance's solubility changes the least from 0° C to 100° C?
6. What is the solubility of potassium nitrate at 90° C?



7. At what temperature does potassium iodide have a solubility of 150 g/ 100 cm³ water?
8. You have a solution of sodium nitrate containing 140 g at 65° C. Is the solution saturated, unsaturated, or supersaturated?
9. You have a solution of potassium chlorate containing 4 g at 65° C. How many additional grams of solute must be added to it, to make the solution saturated?