

Solubility Graph Questions

Name _____ Date _____ Period _____

Directions: Read each question carefully. Determine what you need to solve for and then use the [Solubility Graph](#) you received previously.

Show your work for all questions!

1. Why do the temperatures on the graph only go from 0° C to 100° C ?

2. Which substance has a solubility of 25 g/100 cm³ of water at a temperature of about 13°C?

3. What is the solubility of potassium iodide at 30°C?

4. At what temperature does potassium nitrate have a solubility of 138 g/100 cm³ of water?

5. What is the range of temperatures for when sodium chloride has a solubility of 40 g/100 cm³ or higher?

6. You have a solution containing 10 g of potassium chlorate dissolved in 100 cm³ of 80°C water. How much additional potassium chlorate do you need to add to make the solution saturated?
