Solubility Graph Worksheet

Name	Date	Period
Remember to refer to the	solubility graph study guide for hints on usir	ng a solubility graph.
1. Why do the temperatures	on the graph only go from 0° C to 100° C?	
because water	freezes st o'c and boils at	+ 100°C 50 7
	from 0 -100°C	
	coluble at 60° C? potussium iodi	
	re the same solubility at 80° C?	
	ricle and potassium chlora	
4. Which substance's solubilit	ty changes the most from 0° C to 100° C?	stassium nitrate
5. Which substance's solubilit	ty changes the least from 0° C to 100° C?	dium chloride
6. What is the solubility of po	otassium nitrate at 90° C? 205 g /100	nh water
	potassium iodide have a solubility of 150 g/ 1	
•	lium nitrate containing 140 g at 65° C. Is the	
	? Supersaturated	
	assium chlorate containing 4 g at 65° C. How	many additional grams
- · · · · · · · · · · · · · · · · · · ·	to make the solution saturated ? $30-4=$	
10. A solution of potassium	iodide at 70° C contains 200 g of dissolved s	olute in 100 cm ³ water.
The solution is allowed to coo	ol. At what new temperature would crystals b	pegin to start forming?