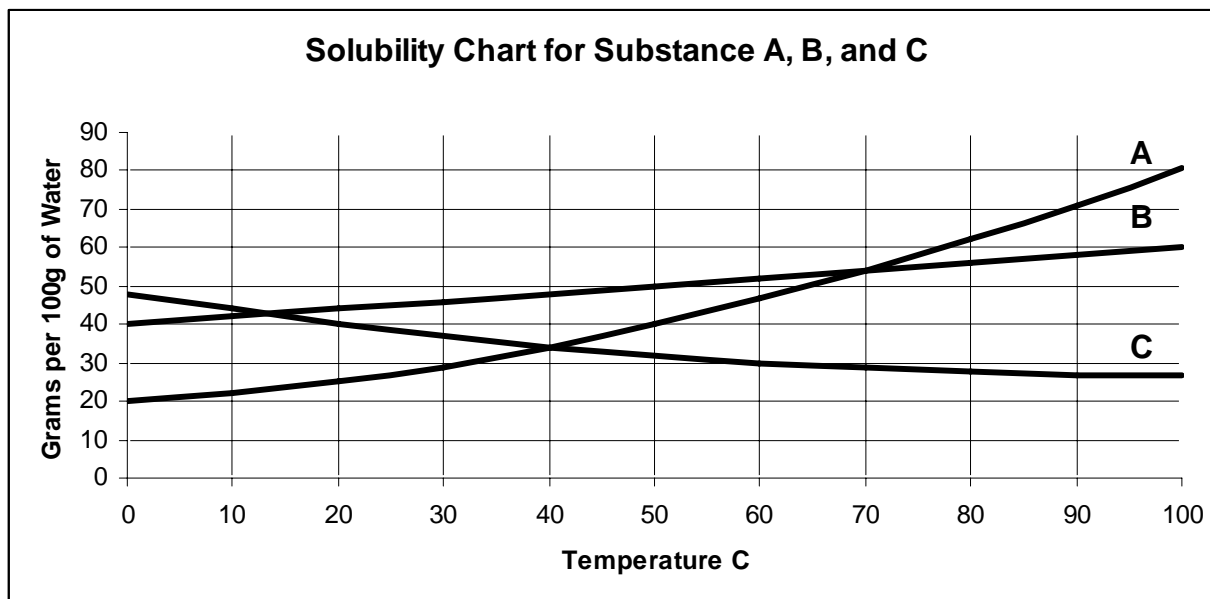


Solubility Curves Worksheet

Look at the solubility curves on the graph below and then answer the following questions.



1. Which substance is the most soluble at 0°C? At 100°C?
2. How many grams of substance "B" will dissolve in 100g of water at 60°C? How about in 400g of water at the same temperature?
3. Which substance shows the least change in solubility from 0°C – 100°C?
4. As you increase the temperature of the water, what happens to the solubility of "A"?
5. As you increase the temperature of the water, what happens to the solubility of "B"?
6. As you increase the temperature of the water, what happens to the solubility of "C"?
7. Which substance(s) are probably a solid?
8. Which substance(s) are probably a gas?
9. If you put 40g of "A" into 100g of water at 50°C the solution would be?
10. If you put 40g of "B" into 100g of water at 50°C the solution would be?
11. If you put 40g of "A" into 100g of water at 20°C the solution would be?
12. Describe how to make a supersaturated solution of "B" at 50°C.