**Heat of Solution**

1. Find the heat produced when 4g of CuSO4 dissolve.
2. 10g NaOH dissolve in water. Find ΔH.
3. 8g Ca(OH)2 dissolve in 20g water at 10°C. What is the final temperature?
4. If 7g NaCl is added to 25g of water at 35°C, what is the final temperature of the water?
5. How many grams of NaCl would need to dissolve in order to raise the temperature of 42g of water by 10°C?
6. If 5g of sodium sulfate dissolved in 45 mL of water at 25°C and the temperature was raised by 13°C, find ΔHf of sodium sulfate.