Enthalpy changes in solution

Pre-lesson assignment - p352-357

Define/revise the following terms

- Standard enthalpy change of solution
- Enthalpy change of hydration

Make notes on enthalpy changes in solution

- 1. Explain how an ionic lattice like sodium chloride is able to dissolve in water.
- 2. Write an equation for the enthalpy change of solution for NaCl(s)
- 3. Explain how the two processes that make up dissolution can be used to construct a thermodynamic cycle such as figure 3
- 4. Demonstrate how this cycle can be used to calculate
 - a. A lattice enthalpy
 - b. An enthalpy change of hydration.