

Factors affecting Lattice Enthalpy and Hydration

Pre-lesson assignment p.358-361

Make notes on the factors affecting Δ_{LEH} and Δ_{HydH}

Use the following questions as guidance

1. How does lattice enthalpy decrease as the size of ion increases? Explain why.
2. What effect does this have on the melting point of the lattice?
3. How does the charge of an ion affect lattice enthalpy? Explain why.
4. What effect does this have on the melting point?
5. How does the ionic charge affect the ionic radius of an ion?
6. How and why are values of lattice enthalpy connected to values of enthalpy of hydration?