

Determining Lattice Enthalpy

Pre-lesson assignment – p348-351

Please watch the video tutorial on Born-Haber Cycle calculations.

Define/revise the following terms

- Lattice Enthalpy
- Standard enthalpy change of formation
- Standard enthalpy change of atomisation
- First ionisation energy
- First electron affinity

Make notes on determining Lattice Enthalpy

1. Write a worked example of calculating the lattice enthalpy of sodium chloride.
2. Write a worked example of calculating the lattice enthalpy of magnesium chloride.
3. Show a **sketch** of a Born Haber cycle for Magnesium Oxide