How to draw Born-Haber cycles

Born–Haber cycles are named after two German scientists, Max Born and Fritz Haber. They were developed to calculate the **lattice enthalpy** of an ionic compound using **Hess's law**. For this you need to know the standard enthalpy change of formation as well as various enthalpy changes needed to make the gaseous ions from the elements in their standard states.

You can also use these cycles to compare which processes contribute most to the overall stability of the ionic compound.

How to draw a Born–Haber cycle for sodium chloride

It's helpful to draw the cycle as an **enthalpy level diagram** so you can easily distinguish the **endothermic** and **exothermic** processes.

