ENTHALPY OF SOLUTION - Example Question 1

1. Define the term Enthalpy of Solution?

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2. Write the equation that represents the Enthalpy of Solution of Magnesium Chloride.

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3. Calculate the Enthalpy of Solution for Magnesium Chloride, given that:

   $\Delta H^\ominus_{Lattice}$ $MgCl_2$ =   2493 kJ.mol^{-1}

   $\Delta H^\ominus_{Hydration}$ Mg^{2+} =   -1920 kJ.mol^{-1}

   $\Delta H^\ominus_{Hydration}$ Cl^- =   -364 kJ.mol^{-1}

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