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ENTHALPY OF SOLUTION - Exam	ple Question 1
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1.	Define the term Er	nthalp	y of Solution?		
2.	Write the equation that represents the Enthalpy of Solution of Magnesium Chloride.				
3.	Calculate the Enth	alpy (of Solution for Magnesium Chloride, given		
	$\Delta H^{\Theta}_{Lattice} \; MgCI_2$	=	2493 kJ.mol ⁻¹		
	$\Delta H^{\Theta}_{Hydration}~Mg^{2+}$	=	-1920 kJ.mol ⁻¹		
	ΔH ^Θ Hydration CI-	=	-364 kJ.mol ⁻¹		



ENTHALPY OF SOLUTION - Example Question 2

2.

Complete the Enthalpy changes and equations for Barium Sulfate.

Enthalpy Change	Equation	Value
ΔH ^Θ Lattice BaSO ₄		+2383
ΔH ^Θ Hydration Ba ²⁺		X
ΔH ^Θ Hydration SO ₄ ²⁻		-1004
	$BaSO_{4(s)} \rightarrow Ba^{2+}_{(aq)} + SO_4^{2-}_{(aq)}$	+19

Calculate the missing value for the $\Delta H^{\Theta}_{Hydration}$ of Ba ²⁺ (X)