



ENTHALPY OF SOLUTION - Example Question 2

1. Complete the Enthalpy changes and equations for Barium Sulfate.

Enthalpy Change	Equation	Value
$\Delta H^\ominus_{\text{Lattice}} \text{BaSO}_4$		+2383
$\Delta H^\ominus_{\text{Hydration}} \text{Ba}^{2+}$		X
$\Delta H^\ominus_{\text{Hydration}} \text{SO}_4^{2-}$		-1004
	$\text{BaSO}_{4(\text{s})} \rightarrow \text{Ba}^{2+}_{(\text{aq})} + \text{SO}_4^{2-}_{(\text{aq})}$	+19

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

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