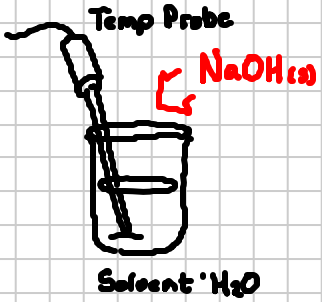
Lecture 14 Solution Energetics Cont

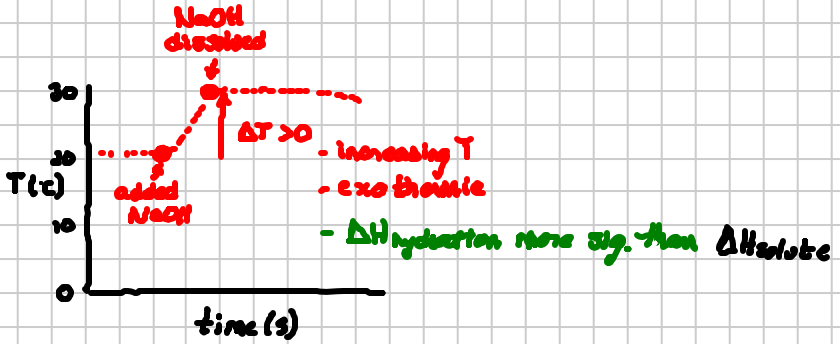
Note Title

$\Delta H_{solution} = \Delta H_{solute}$ (1) endothermic + $\Delta H_{solvent}$ (2) endothermic + ΔH_{mixing} (3) exothermic ← H_2O Significant

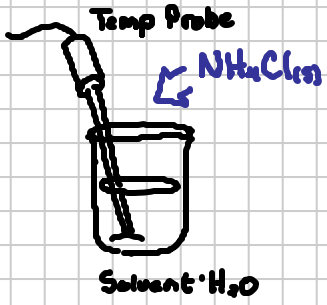
Solvent: H_2O

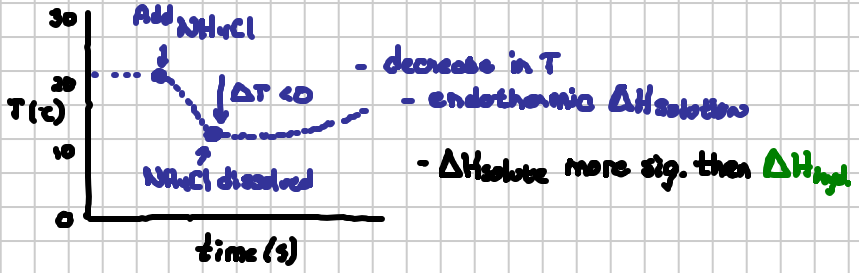
$\Delta H_{solution} = \Delta H_{solute}$ endothermic (+) + $\Delta H_{hydration}$ exothermic (−)





$|\Delta H_{solute}| < |\Delta H_{hydration}|$





$|\Delta H_{solute}|$ (endo) $> |\Delta H_{hydration}|$ (exo.)