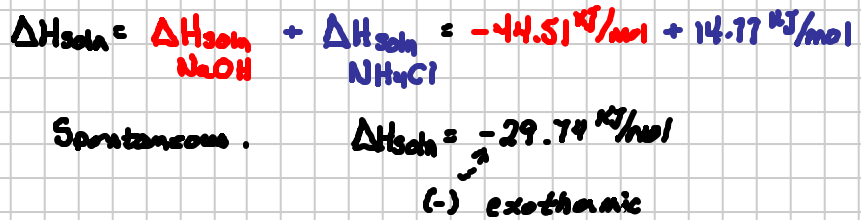
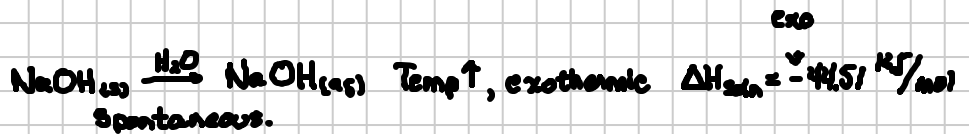
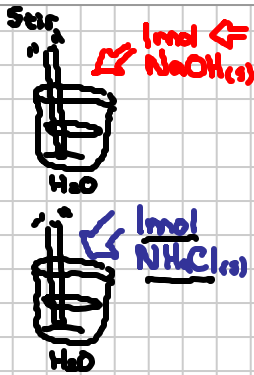


# Lecture 2 | Spontaneous Solution Formation

Note Title

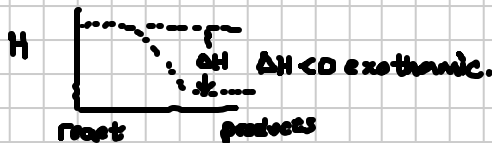
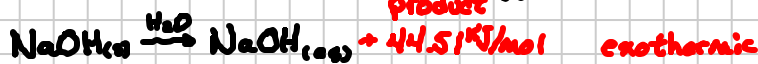
15/50/50/11



Spontaneous: - require no help from us (stirring).  
 - self acting ... ind. of external influence.

## 2 factors that affect spontaneity

1) Universe favors processes where energy (enthalpy) decreases.



H decreases  $\text{☺}_u$   
 favored by univ.

"... driven by dec. enthalpy"

2) Universe favors processes where Entropy increases

Entropy measure of randomness and disorder.



..not enthalpy driven

