

# Supplements

## Thermodynamics - 2 Entropy. ( $\Delta S$ )

order  $\rightarrow$  disorder (increase in chaos).

$\Delta S$  +ve increase in entropy

$\Delta S$  -ve decrease " " "

When does entropy:

$\rightarrow$  solid  $\rightarrow$  liquid  $+\Delta S$  gas  $\rightarrow$  solid  $-\Delta S$

$\rightarrow$  energy increase will cause  $+\Delta S$ .

$\rightarrow$  more # of atoms " " "

Examples -

