



Mt Evereut Pair & 0.34ahm bρ_{Ho} = 72°c. Heat of vaponization, Attuap energy regid to vaporise I mol lig - gas H20: Athop=+40.79 KJ/m/ andothermic. ex: Ar: Atvap=+6.3 KJ/mol IMF 63KT + Ar(1) -> Ar(9)

Liquid-Solid Equilibrium @ melhing point (temp) - lig + solid phases are in (dynamic) eom solid = liquid - the energy required to I mol solid = AHFus - heat of fision/enthalpy of fusion/ lateral head of Mission. HEO AHM = +6.01 KJ/mol 6.01kJ + H2O(s) --- H2O(R)

notion: $\triangle H_{KS} (H_20) = + 6.01 \, \text{KJ/mol}$ -> brook some IMF $\triangle H_{VAP} (H_20) = - 40.79 \, \text{KJ/mol}$ -> brook all IMF.

Solid - Vapor eve solid = gas.

AHsub = heat regid to sublime I mol solid → gas.

ex: H2O(s) -> H2O(g) 30H26 = +46.8K

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THORE = THES + THORE) THORE