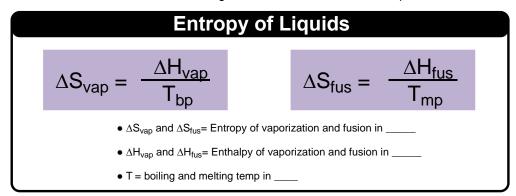
CONCEPT: ENTROPY CALCULATIONS: PHASE CHANGES

- Similar to ΔS_{surr} formula, *Entropy of Liquids* formulas are used to calculate ΔS or ΔH .
 - □ However, the below formulas are used during _____: Vaporization and Fusion.



EXAMPLE: Methanol has a normal melting point of 64.7°C and entropy of fusion of 9.36 J/K. Determine its enthalpy of fusion.

PRACTICE: Calculate entropy of vaporization of 8.4 g of acetic acid (CH₃COOH) with a boiling point of 118°C, Δ H_{vap} = 23.7 kJ/mol.