**PART “A” -- Use the SUMMATION FORMULA TO SOLVE:**

**1. CH3OH(l) + 3/2 O2(g) 🡪 CO2(g) + 2 H2O(g)**

**2. CH3COOH(l) + 2 O2(g) 🡪 2 CO2(g) + 2 H2O(g)**

**3. Fe2O3(s) + 3 CO(g) 🡪 2 Fe(s) + 3 CO2(g)**

**PART “B” – USE ENTHALPY AND ENTROPY VALUES TO SOLVE!!**

**4. PCl5(g) 🡪 PCl3(g) + Cl2(g)**

**5. CO(g) + 2 H2(g) 🡪 CH3OH(l)**

**6. 2 C(s) + 2 H2(g) + H2O(l) 🡪 C2H5OH(l)**