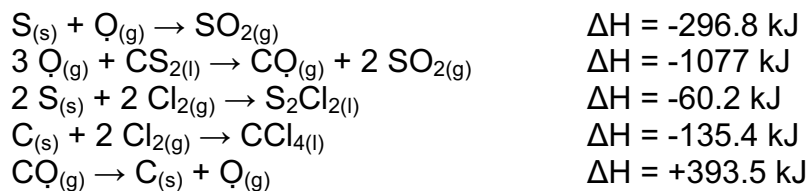


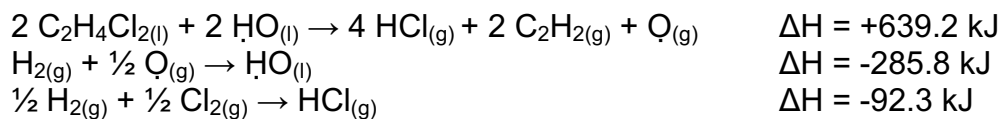
Hess' Law Worksheet

Using your knowledge of Hess' law, answer the following questions:

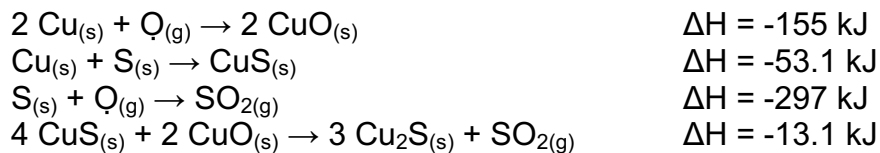
- 1) Calculate ΔH for the reaction $3 \text{Cl}_{2(g)} + \text{CS}_{2(l)} \rightarrow \text{CCl}_{4(l)} + \text{S}_2\text{Cl}_{2(l)}$, given the following equations:



- 2) Calculate ΔH for the reaction $\text{Cl}_{2(g)} + \text{C}_2\text{H}_{2(g)} \rightarrow \text{C}_2\text{H}_4\text{Cl}_{2(l)}$, given the following equations:



3) Calculate ΔH for the reaction $\text{CuS}_{(s)} + \text{Cu}_{(s)} \rightarrow \text{Cu}_2\text{S}_{(s)}$, given the following equations:



4) Calculate ΔH for the reaction $\text{HCN}_{(g)} + \text{C}_2\text{H}_{2(g)} \rightarrow \text{C}_2\text{H}_3\text{CN}_{(g)}$ given the following equations:

