

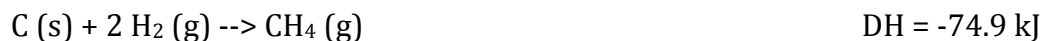
Hess's Law Worksheet

1. Calculate ΔH for the reaction $4 \text{NH}_3 (\text{g}) + 5 \text{O}_2 (\text{g}) \rightarrow 4 \text{NO} (\text{g}) + 6 \text{H}_2\text{O} (\text{g})$, from the following Data.

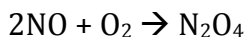


2. Calculate

ΔH for the reaction $\text{CH}_4 (\text{g}) + \text{NH}_3 (\text{g}) \rightarrow \text{HCN} (\text{g}) + 3 \text{H}_2 (\text{g})$, given:



1. Calculate the standard enthalpy change for the following reaction:



If you are given the following half reactions:



1. Calculate ΔH for the reaction $\text{CH}_4 (\text{g}) + \text{NH}_3 (\text{g}) \rightarrow \text{HCN} (\text{g}) + 3 \text{H}_2 (\text{g})$, given:

