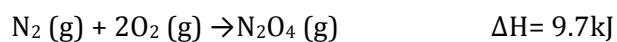
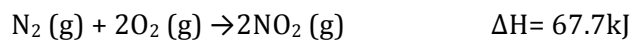


Hess's Law

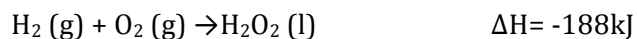
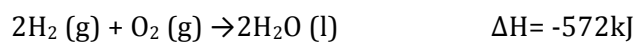
Name: _____

Date: _____ Per: _____

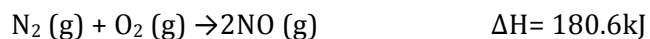
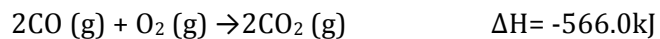
1. Calculate ΔH for the reaction $2\text{NO}_2 (\text{g}) \rightarrow \text{N}_2\text{O}_4 (\text{g})$ using the information below.



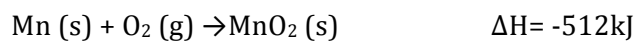
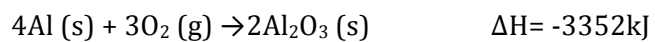
2. Calculate ΔH for the reaction $2\text{H}_2\text{O}_2 (\text{l}) \rightarrow 2\text{H}_2\text{O} (\text{l}) + \text{O}_2 (\text{g})$ using the information below.



3. Determine ΔH for the reaction $2\text{CO} (\text{g}) + 2\text{NO} (\text{g}) \rightarrow 2\text{CO}_2 (\text{g}) + \text{N}_2 (\text{g})$ using the information below.



4. Determine ΔH for the reaction $4\text{Al (s)} + 3\text{MnO}_2 \text{(s)} \rightarrow 2\text{Al}_2\text{O}_3 \text{(s)} + 3\text{Mn (s)}$ using the information below.



5. Determine the ΔH for the reaction $\text{NO (g)} + \text{O}_2 \text{(g)} \rightarrow \text{NO}_2 \text{(g)}$ using the following information.

