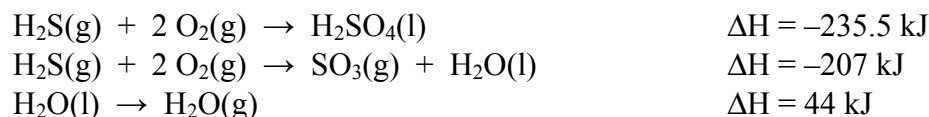


WKS-Honors
Hess's Law

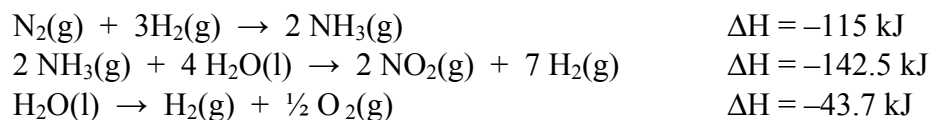
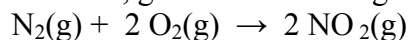
Name _____
Period _____ Date _____

Use Hess's Law to find the enthalpy changes for the stated reactions given the component reactions and their enthalpy changes. Use the space given to rewrite the modified component reactions and show that they add up to the desired reaction.

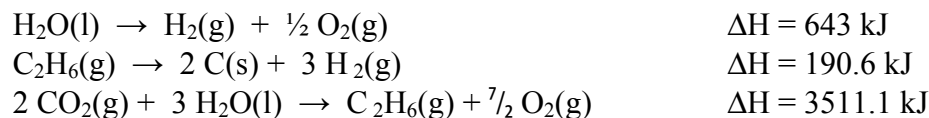
- 1) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



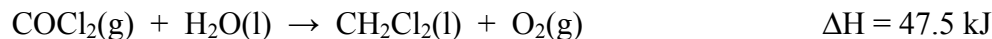
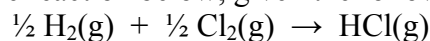
- 2) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



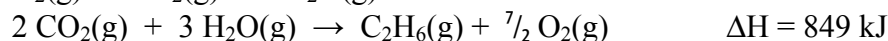
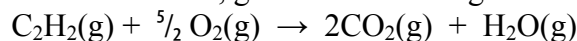
- 3) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



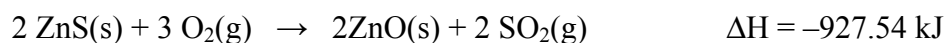
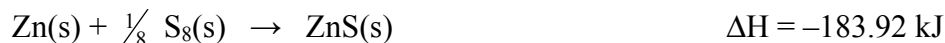
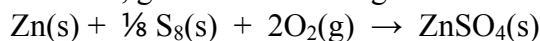
4) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



5) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



6) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



Answers: 1) 73 kJ; 2) -83 kJ; 3) 886 kJ; 4) -230. kJ; 5) -705 kJ; 6) -976.03 kJ