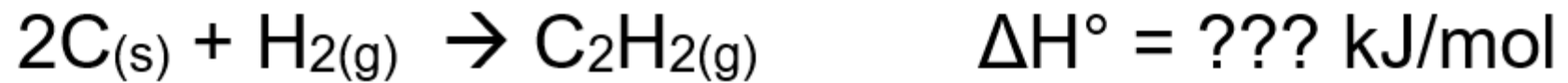
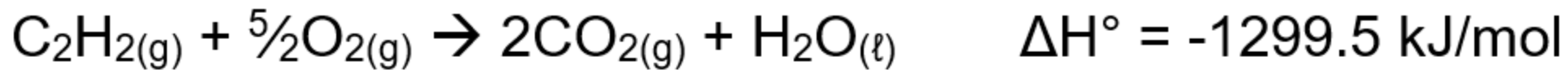


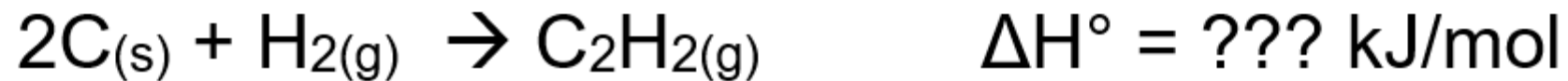
Problem:1 Calculate the enthalpy for the synthesis of Ethyne:



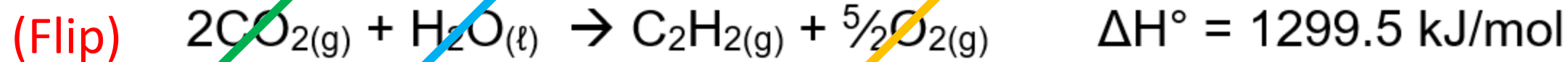
Given the following thermochemical equations:



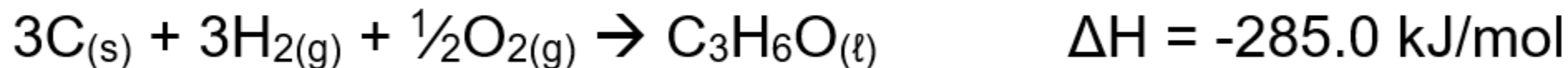
Problem:1 Calculate the enthalpy for the synthesis of Ethyne:



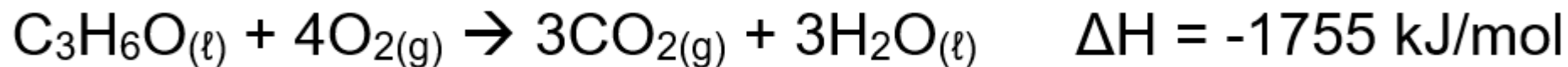
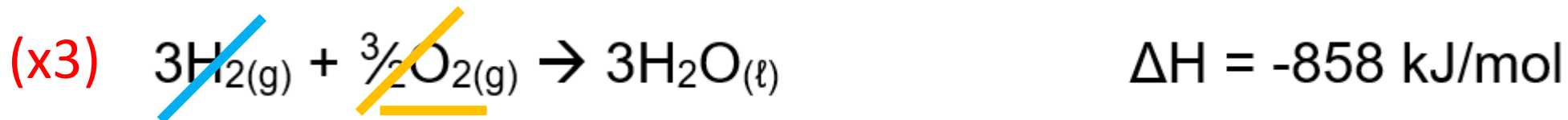
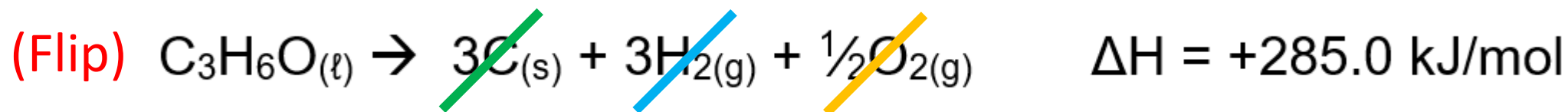
Given the following thermochemical equations:



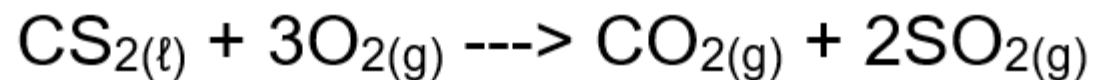
Problem:2 Using the following thermochemical equations, calculate the molar enthalpy of combustion for one mole of liquid acetone (C₃H₆O).



Problem:2 Using the following thermochemical equations, calculate the molar enthalpy of combustion for one mole of liquid acetone (C₃H₆O).



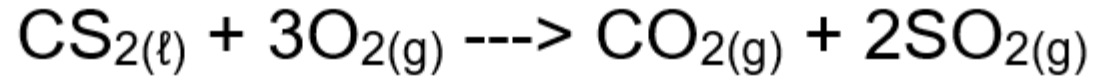
Problem:3 Calculate the enthalpy of the following chemical reaction:



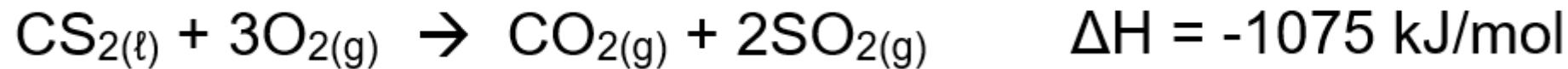
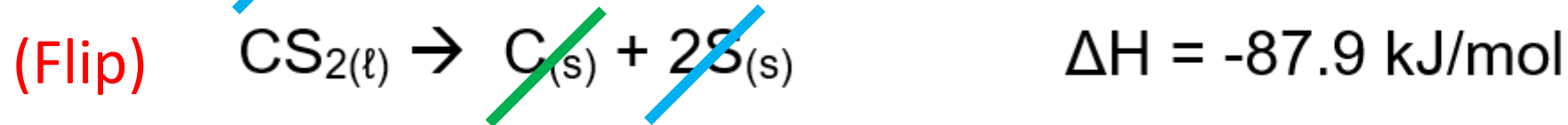
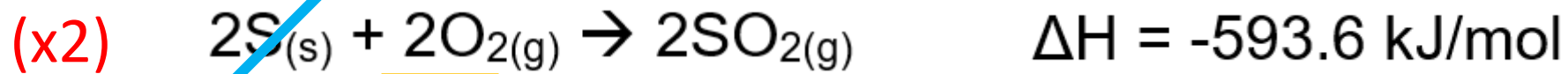
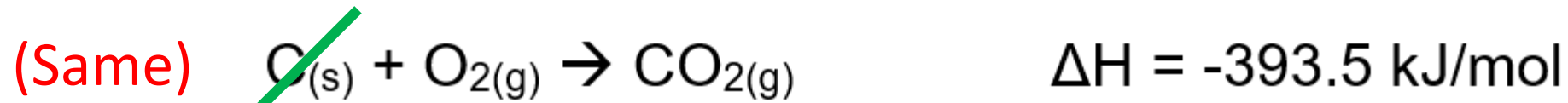
Given:



Problem:3 Calculate the enthalpy of the following chemical reaction:



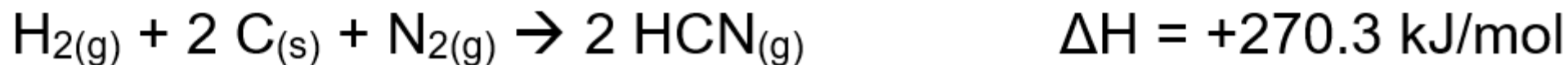
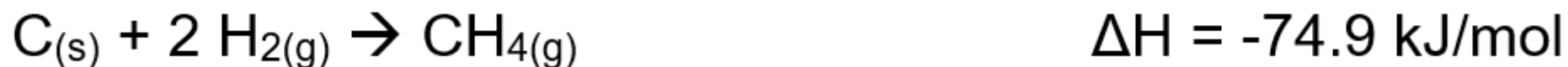
Given:



Problem:4 Calculate ΔH for this reaction:



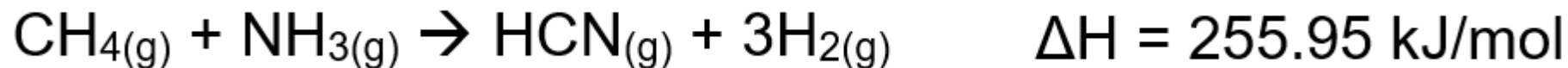
Given:



Problem:4 Calculate ΔH for this reaction:

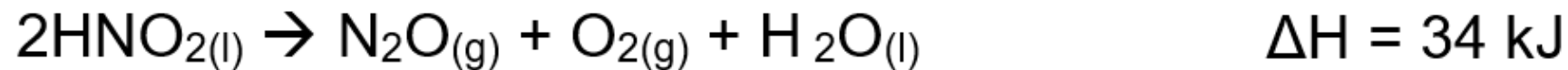
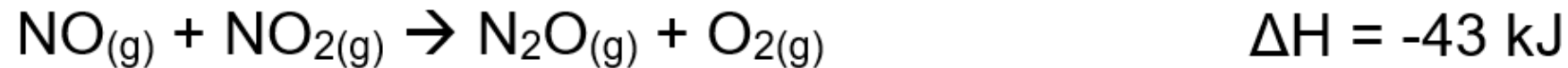
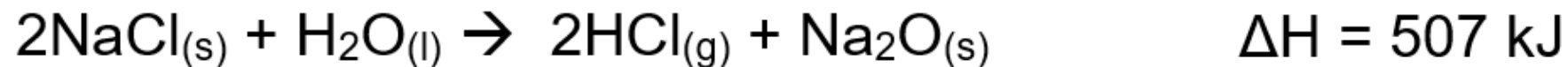


Given:



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

Find:



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

Find:

