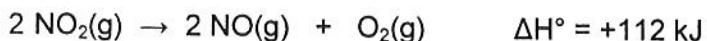


Beginner Hess' Law Problems

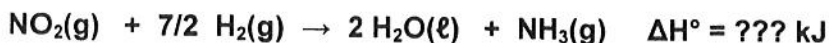
- 1) Calculate the change in enthalpy for the following reaction:



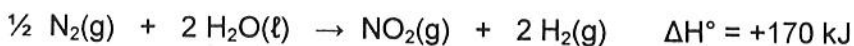
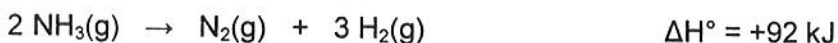
Using the following two equations:



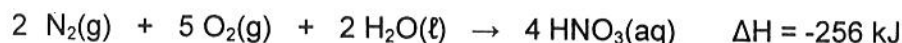
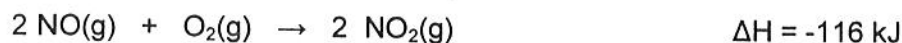
- 2) Use the following data to determine the enthalpy (ΔH°) of reaction for:



Using the following two equations:



- 3) Given the following information:



Calculate the enthalpy change for the reaction below:



- 4) Calculate ΔH for this reaction:



given:

