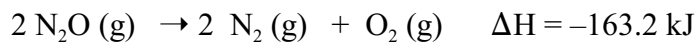
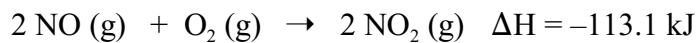
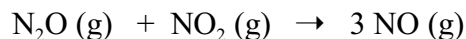


## Worksheet 8

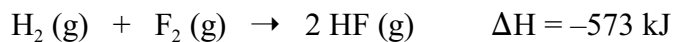
1. Given the data



use Hess's Law to calculate  $\Delta H$  for the reaction



2. From the enthalpies of reaction



calculate the  $\Delta H$  for the reaction of ethylene with  $\text{F}_2$



3. Using values from appendix C, calculate  $\Delta H^\circ$  for the following reactions:

