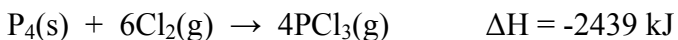
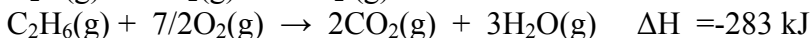
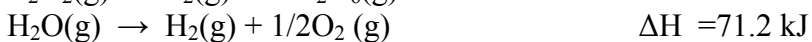
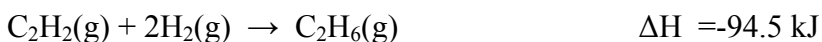
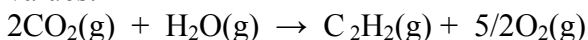


(1) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



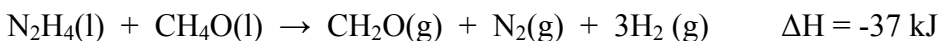
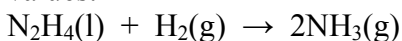
answer = 249.8 kJ

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



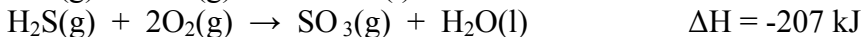
answer = 235 kJ

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



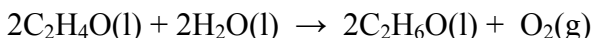
answer = -18 kJ

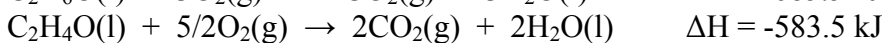
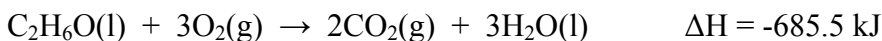
(4) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:



answer = 72 kJ

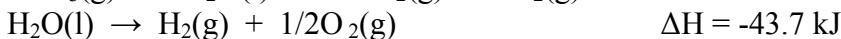
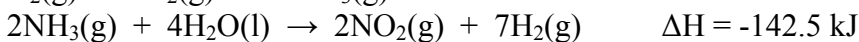
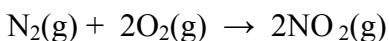
(5) Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values:





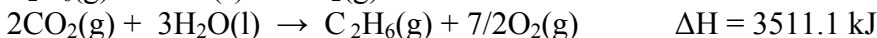
answer = 204.0 kJ

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



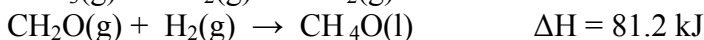
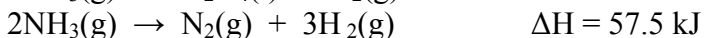
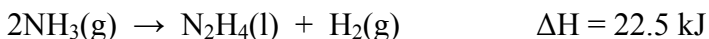
answer = -83 kJ

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



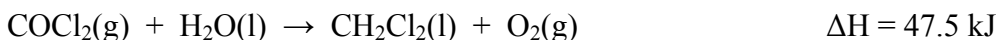
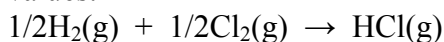
answer = 886 kJ

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



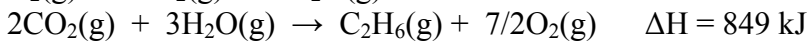
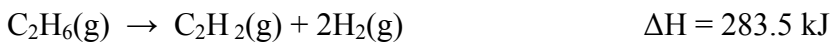
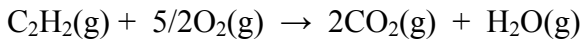
answer = -46.2 kJ

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



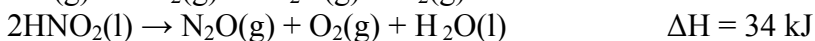
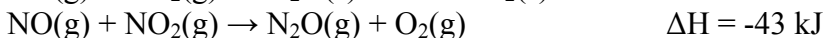
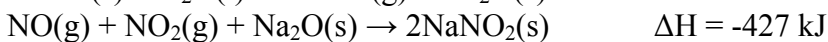
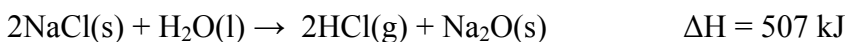
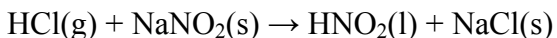
answer = -230 kJ

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



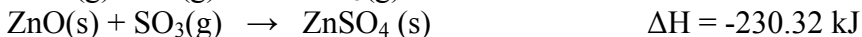
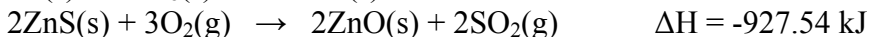
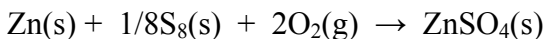
answer = -705 kJ

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



Answer = -78 kJ

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



Answer = -976.03 kJ