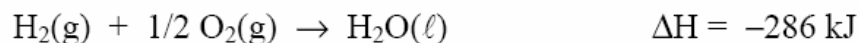
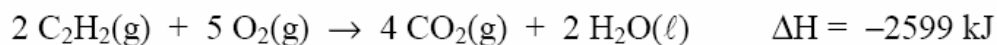
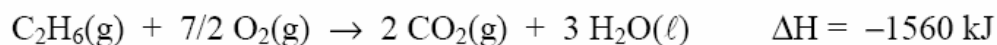
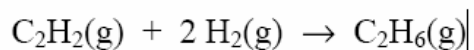


Directions: Complete the following problems according to the lecture.

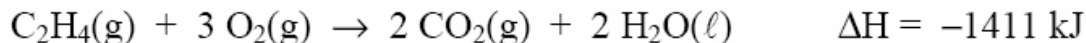
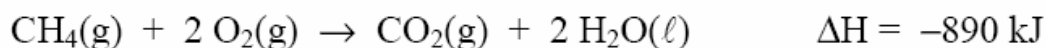
1. (This is one we worked in class.) Using the thermochemical equations



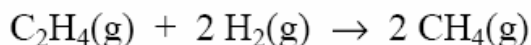
calculate ΔH for



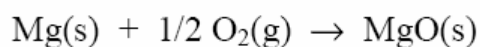
2. Using the thermochemical equations in Problem #1 as needed, in addition to



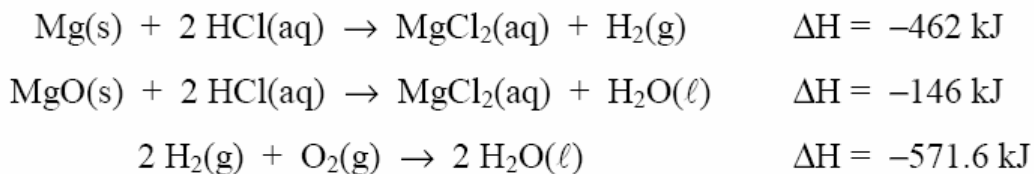
calculate ΔH for



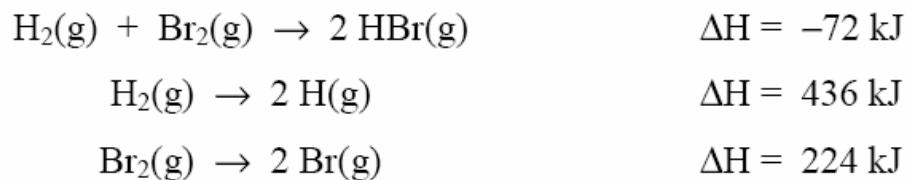
3. Calculate ΔH for



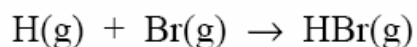
given the equations



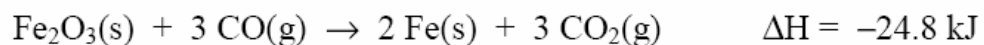
4. Given the thermochemical equations



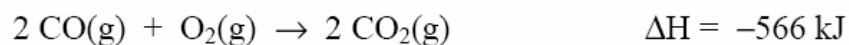
Calculate the enthalpy change for



5. In the process of isolating iron from its ores, carbon monoxide reacts with iron (III) oxide, as described by the equation



The enthalpy change for the combustion of carbon monoxide is



Use the preceding thermochemical equations to calculate the enthalpy change for

