

Chemistry CP

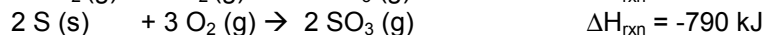
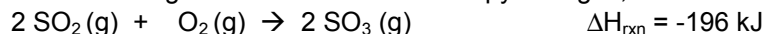
Name: _____

Hess' Law Problems

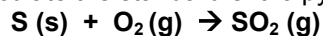
Date: _____

Level 1

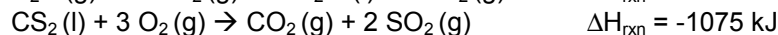
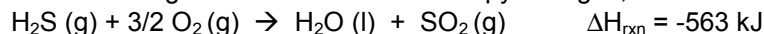
1. From the following reactions and their enthalpy changes,



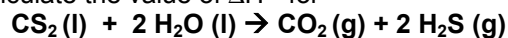
calculate the standard enthalpy change for the combustion of sulfur to produce SO_2 :



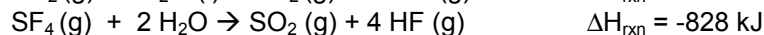
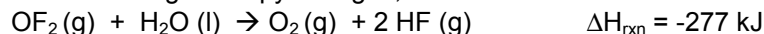
2. From the following reactions and their enthalpy changes,



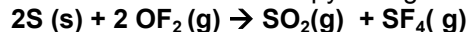
Calculate the value of ΔH° for



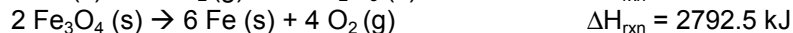
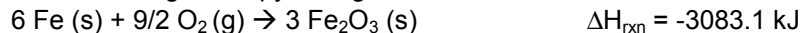
3. From the following enthalpy changes,



Calculate the standard enthalpy change for



4. From the following enthalpy changes



Calculate the standard enthalpy change for



Answers:

1. -297 kJ
2. 51 kJ
3. -320 kJ
4. 290.6 kJ