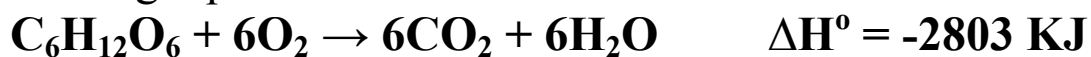


What does standard state refer to?

How is standard enthalpy change written?

How much heat is transferred when 8.02 grams of glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) in your body reacts with oxygen according to the following equation?



12.3 Hess's Law

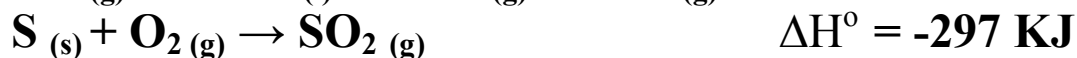
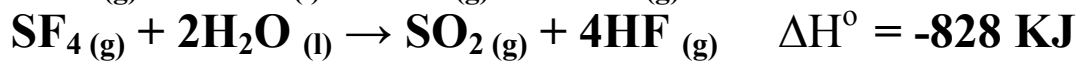
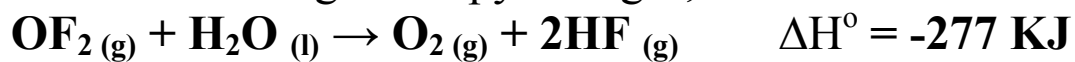
What is Hess's law?

Briefly explain the rules used for manipulating reactions when applying Hess's law.

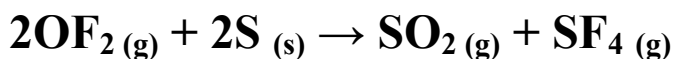
1)

2)

From the following enthalpy changes,



calculate the value of ΔH° for



12.4 Calorimetry

What is calorimetry?

What is the difference between heat capacity and specific heat?

The heat capacity of an object depends on its _____
and its _____ .

What does a calorimeter do?

Do practice problems 5 and 6 on page 397.

12.5 What is heat?

How does the kinetic theory explain heat?

What is heat?