

## Hess' Law

The change in enthalpy that occurs when a set of reactants changes to a set of products is the same whether the reaction takes place in one step or in a series of steps.

If a certain reaction is inconvenient to carry out, there may be a set of easier reactions whose sum is the reaction in question.

Add enthalpy changes of the series of reactions to find the heat of reaction for the original reaction.

Ex: Calculate the heat of reaction for the following:

