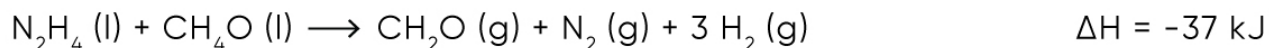
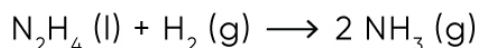


Name : \_\_\_\_\_ Date : \_\_\_\_\_

# Hess's Law Worksheet

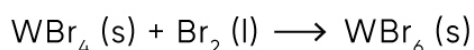
1 Find the  $\Delta H$  for the reaction below, given the following reactions and subsequent  $\Delta H$  values.



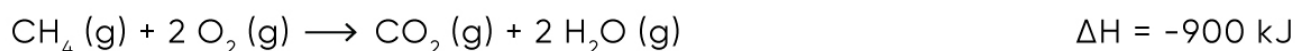
2 The enthalpy changes for the formation of two wolfram bromides are shown below.



Calculate the standard enthalpy change for the following reaction:



3 Consider the reactions shown:

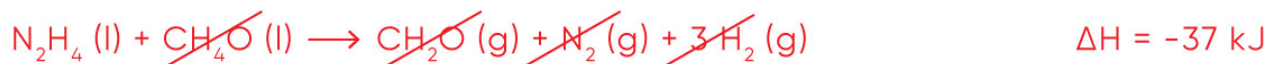
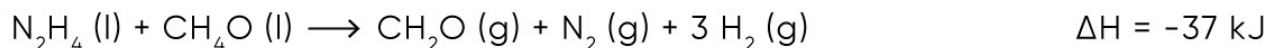
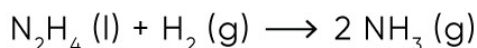


What would the value of  $\Delta H$  of the combustion of methane be if  $\text{H}_2\text{O} (\text{l})$  formed instead of  $\text{H}_2\text{O} (\text{g})$ ?

# Hess's Law Worksheet

## Answers

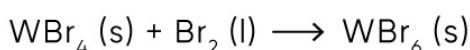
- 1 Find the  $\Delta H$  for the reaction below, given the following reactions and subsequent  $\Delta H$  values.



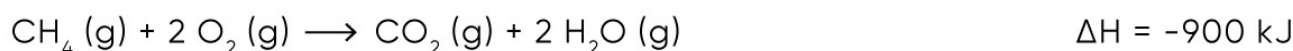
- 2 The enthalpy changes for the formation of two wolfram bromides are shown below.



Calculate the standard enthalpy change for the following reaction:



- 3 Consider the reactions shown:



What would the value of  $\Delta H$  of the combustion of methane be if  $\text{H}_2\text{O} (\text{l})$  formed instead of  $\text{H}_2\text{O} (\text{g})$ ?

