

## **General Chemistry Thermochemistry I** by **Aini Norhidayah Mohamed** ainin@ump.edu.my



## Exercise

The combustion of an aluminium sample produces 0.400 mol of aluminium oxide and releases 425 kJ of heat at standard conditions.

$$AI_{(s)} + 3/4O_{2(g)}$$
 1/2 $AI_2O_{3(s)}$ 

(i) Calculate the standard enthalpy of the combustion of the aluminium.

