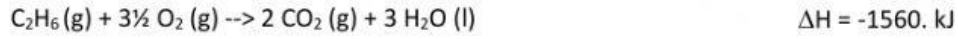




مدرسة عائشة بنت عثمان الحلقة الاولى و الثانية و التعليم الثانوي

ورقة عمل قانون هس 12A\

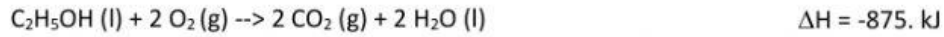
1. Calculate ΔH for the reaction: $C_2H_4 (g) + H_2 (g) \rightarrow C_2H_6 (g)$, from the following Data.



2. Calculate ΔH for the reaction $4 NH_3 (g) + 5 O_2 (g) \rightarrow 4 NO (g) + 6 H_2O (g)$, from the following Data.



3. Find ΔH° for the reaction $2H_2(g) + 2C(s) + O_2(g) \rightarrow C_2H_5OH(l)$, using the following thermochemical data.



4. Calculate ΔH for the reaction $CH_4 (g) + NH_3 (g) \rightarrow HCN (g) + 3 H_2 (g)$, given:



