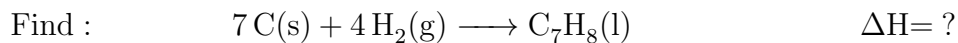
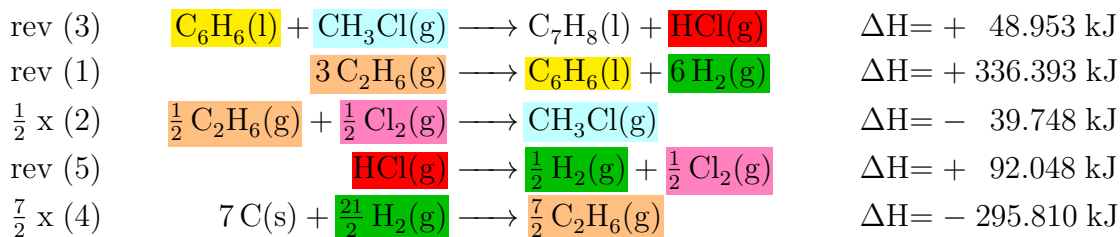
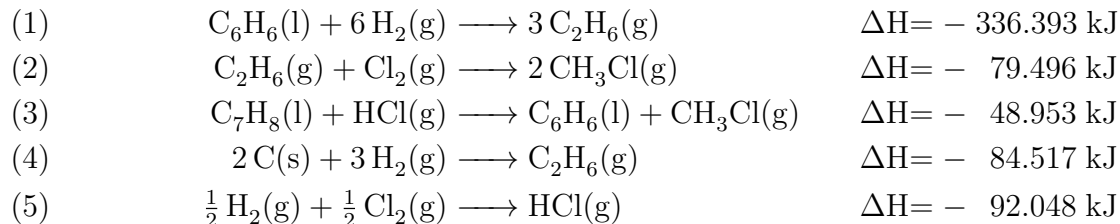


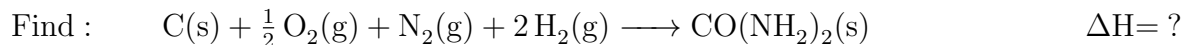
HESS' LAW 1



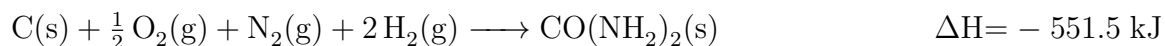
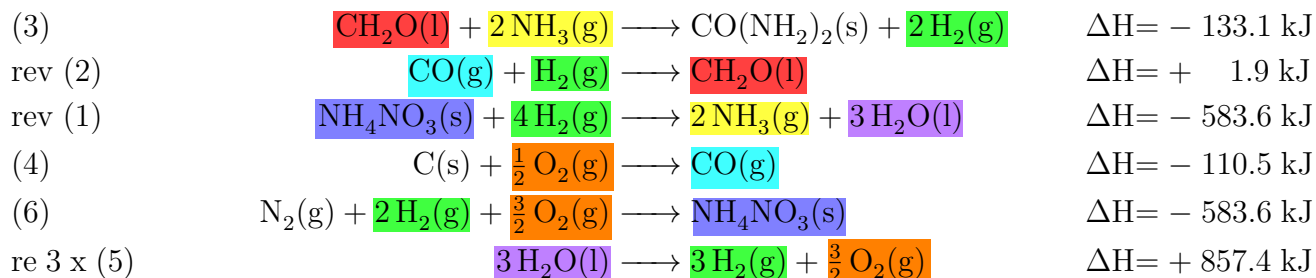
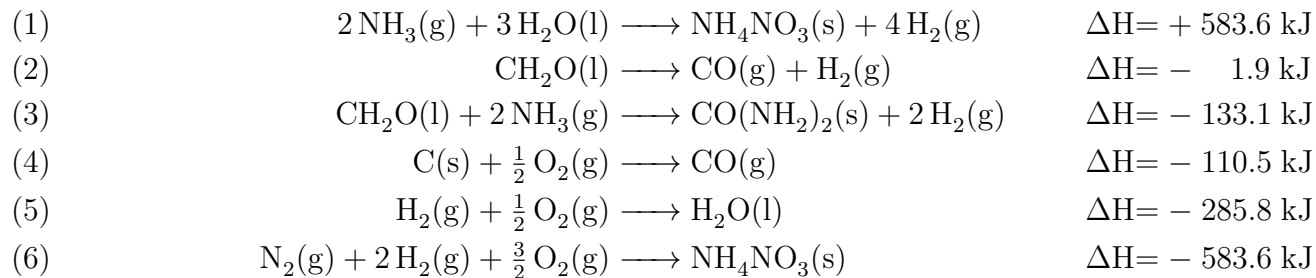
Given :



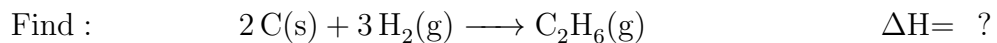
HESS' LAW 2



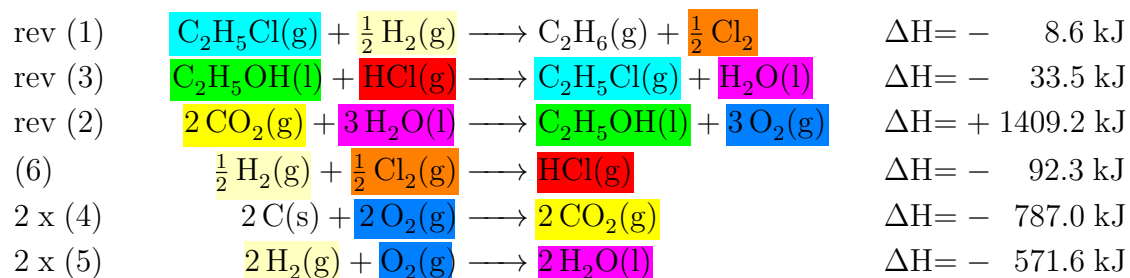
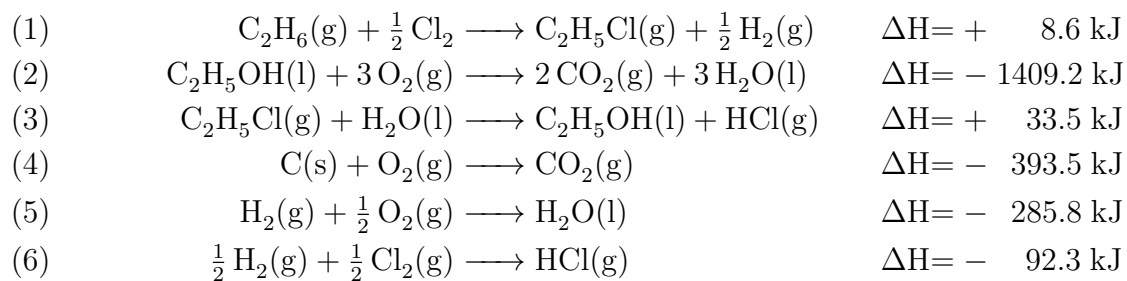
Given :



HESS' LAW 3



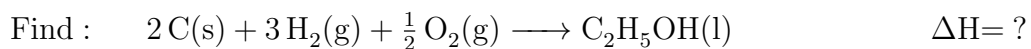
Given :



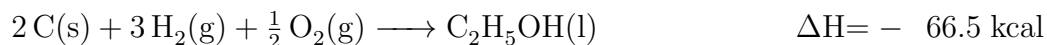
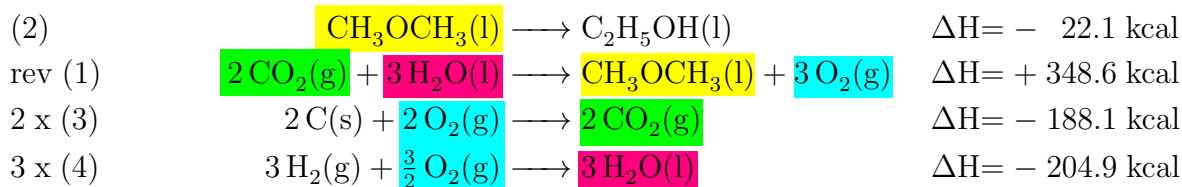
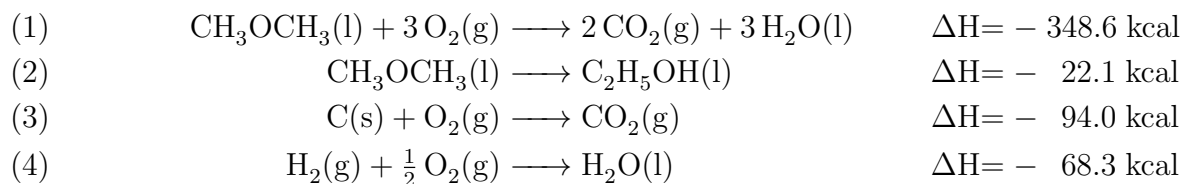
HESS' LAW 4

conversion for $\text{CO}_2(\text{g})$: $-393.5 \text{ kJ} \times \frac{1 \text{ kcal}}{4.184 \text{ kJ}} = -94.0 \text{ kcal}$

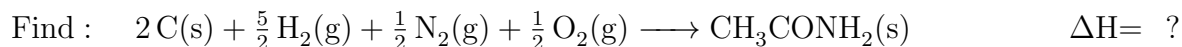
conversion for $\text{H}_2\text{O}(\text{g})$: $-285.8 \text{ kJ} \times \frac{1 \text{ kcal}}{4.184 \text{ kJ}} = -68.3 \text{ kcal}$



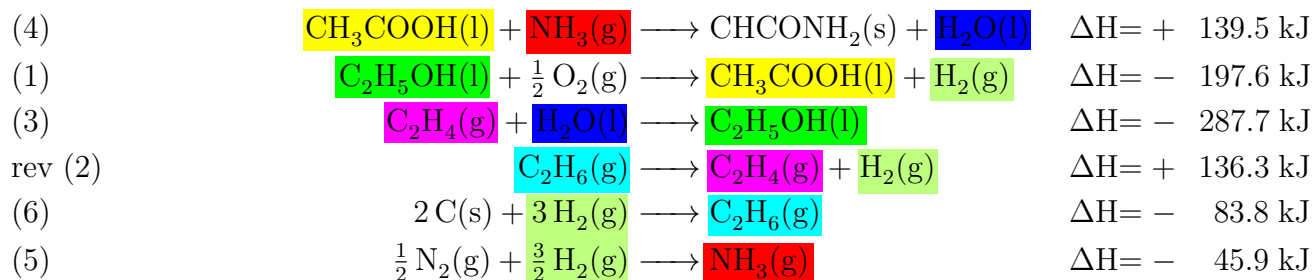
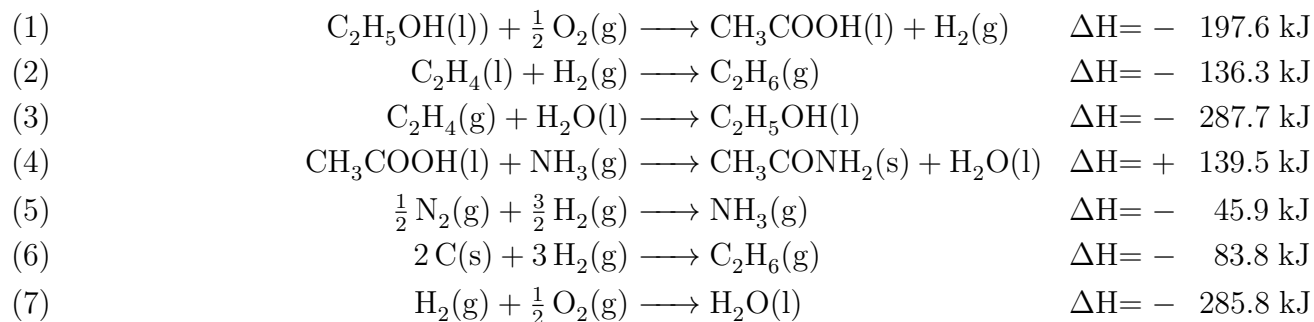
Given :



HESS' LAW 5



Given :

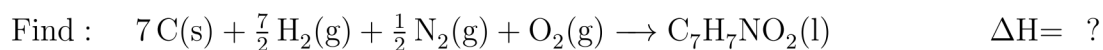


HESS' LAW 6

$$\text{conversion for CO}_2(\text{g}): -393.5 \text{ kJ} \times \frac{1 \text{ kcal}}{4.184 \text{ kJ}} = -94.0 \text{ kcal}$$

$$\text{conversion for H}_2\text{O}(\text{g}): -285.8 \text{ kJ} \times \frac{1 \text{ kcal}}{4.184 \text{ kJ}} = -68.3 \text{ kcal}$$

$$\text{conversion for NO}_2(\text{g}): +33.2 \text{ kJ} \times \frac{1 \text{ kcal}}{4.184 \text{ kJ}} = +7.93 \text{ kcal}$$



Given :

