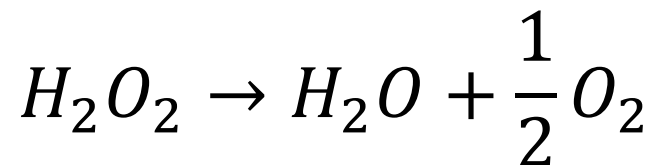


Enthalpy of Reaction

Calculate the total enthalpy change when one mole of H_2O_2 decomposes:



The thermodynamic data are:

$$\Delta_f H^\circ(H_2O) = -286 \text{ kJ/mol}$$

$$\Delta_f H^\circ(H_2O_2) = -187.8 \text{ kJ/mol}$$