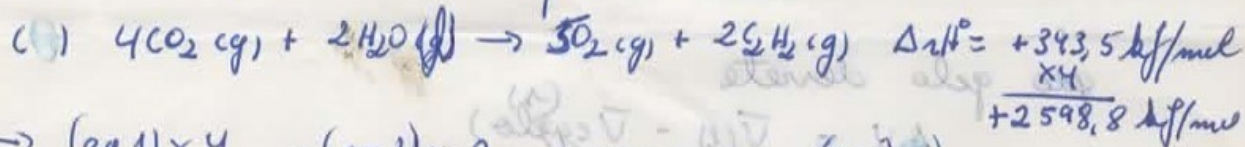
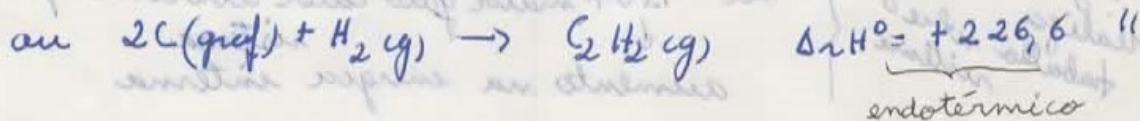
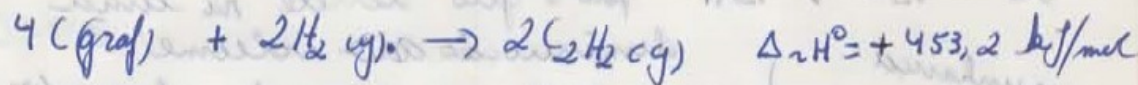
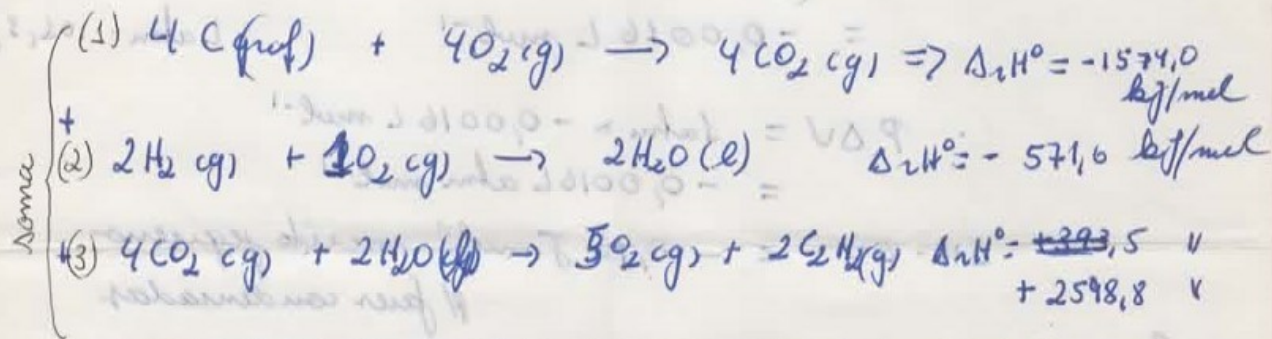


inverte (3) p/ ter C₂H₂ no produto



→ (eq 1) × 4 e (eq 2) × 2 e soma com (eq 3)



é a síntese de C₂H₂ a partir de seus

elementos, temos $\Delta_f H^\circ(\text{C}_2\text{H}_2) = \Delta_r H = +226,6 \text{ kJ/mol}$

$\Delta_r H^\circ = +226,6 \text{ kJ/mol} = \Delta_f H^\circ(\text{C}_2\text{H}_2) - \Delta_f H^\circ(\text{C}(\text{graf})) - \Delta_f H^\circ(\text{H}_2(\text{g}))$