

Suggested problems for Chapter 5 Thermochemistry. 3 bonus points available on Thermochemistry quiz. Look over Key terms and equations pages 270->. You will use table G in the back of the book for many of the problems requiring ΔH° of formation values.

Suggested problems: 3, 7 (you will need specific heat of ice, heat of fusion of ice and the specific heat of water), 9, 11, 21 ($^\circ\text{C} = 5/9(^\circ\text{F} - 32)$), 25, 31 ($\Delta H_{\text{H}_2\text{O}} + \Delta H_{\text{calorimeter}} = \Delta H_{\text{reaction}}$), 37, 41, 45 (start with the balanced combustion reaction equation), 47 ($\text{___ C}_8\text{H}_{18} + \text{___ O}_2 \rightarrow$), (Use Hess's law for each of 59, 63, 69), Use appendix G for 69, 75, 77, 81,