

Skill summary Chapter 18 and 19

Skill	Problems
Chapter 18	
Calculate ΔH_{rxn} from $\Delta H^{\circ}_{\text{f}}$	6.54, 6.56
Calculate ΔS from ΔS°	12, 14
Calculate ΔG° from ΔH and $T\Delta S^{\circ}$	18, 20
Calculate K from ΔG° or from ΔH and $T\Delta S^{\circ}$	26, 28, 30
Work with the sign of each thermodynamic quantity	39
Chapter 19	
Calculate standard cell voltages	12, 14, 16
Calculate cell voltages under non-equilibrium conditions	30, 32, 34
Calculate ΔG° and K from cell voltage	24, 26