5.5 Answers

Factors that Affect Equilibrium		
Stress	*Shift and Affect*	*Reason*
Concentration		
↑ [reactant]		use excess reactant to ↑ [prod]
↑ [product]		excess prod to ↑ [react]
↓ [reactant]		excess prod. to ↑ [react]
↓ [product]		excess react to ↑ [prod]
Temperature		
↑ T° on endothermic reaction		excess NRG to use.
↑ T° on exothermic reaction		excess NRG (in reverse) produce more NRG.
↓ T° on endothermic reaction		produce more energy.
↓ T° on exothermic reaction		
*Pressure/Volume *ignore for solids and liquids ** only has affect if unequal # moles on reactant and product sides*		
↑ P(↓ V) more #moles on reactant side		↓ # moles.
↑ P(↓ V) more #moles on product side		↓ # moles.
↓ P(↑ V) more #moles on reactant side		↑ # moles
↓ P(↑ V) more #moles on product side		↑ # moles.