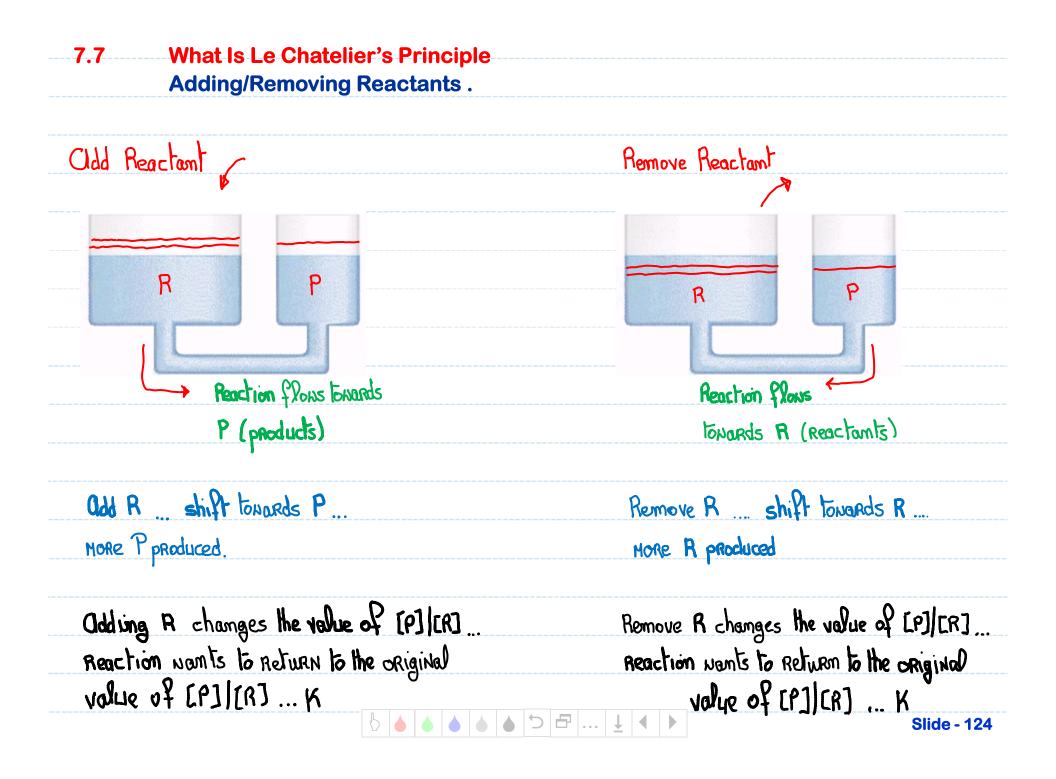
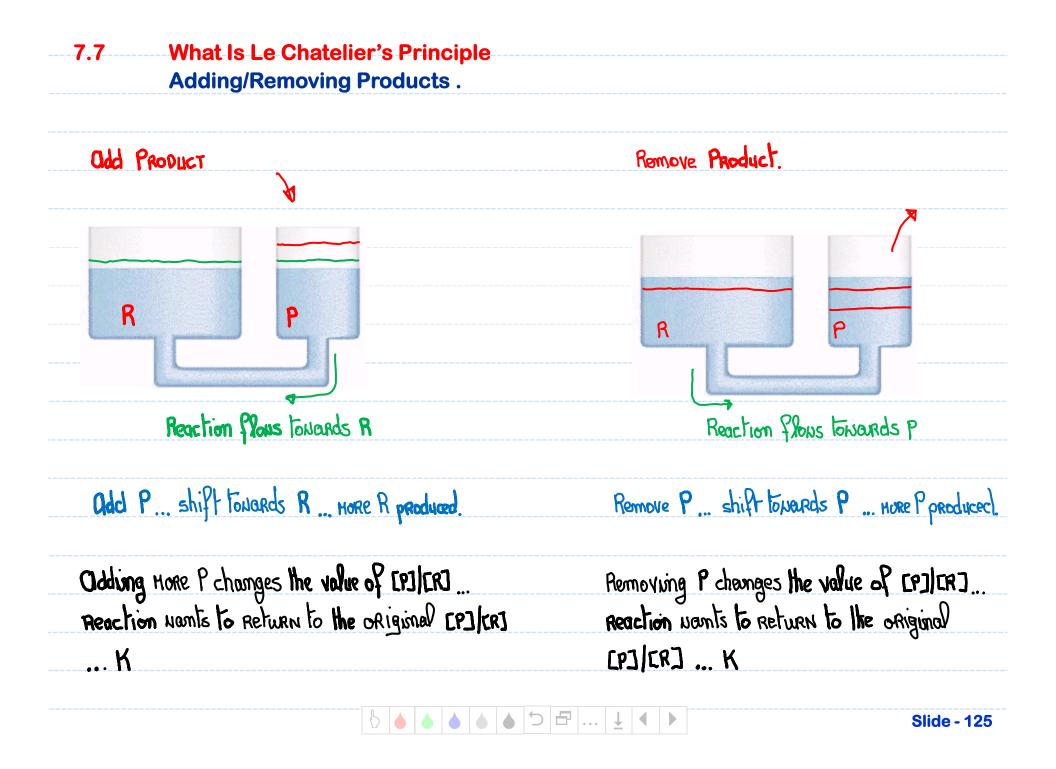
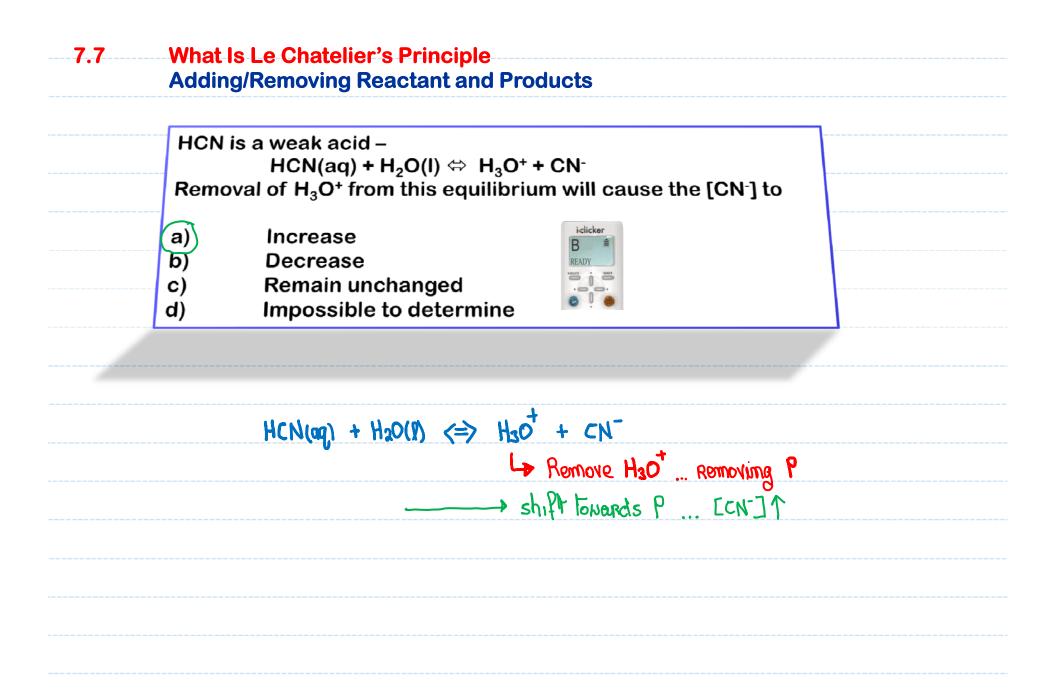


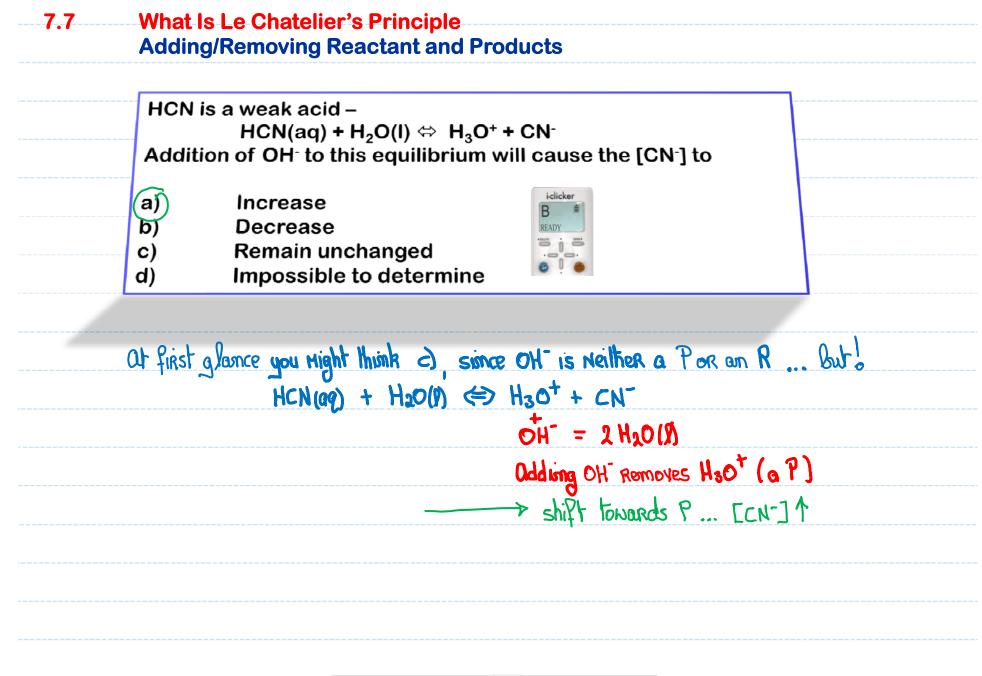
7.6 What is an Equilibrium Constant and How Do We Use It? The Significance of the Magnitude of K	
o) K >> 1 : at equilibrium the reaction for	NORS products
b) K << 1 : Or equilibrium the reactions	
c) K~1 : Of equilibrium significant qu	
· · · · · · · · · · · · · · · · · · ·	
o) N2(g) + 3 H2(g) ⇐> 2 NH3(g)	c) $H_{\mathcal{B}} + O_2 \iff H_{\mathcal{B}}O_2$
K = 3.5x 108 @ 25°C	K ≈ 12 @ 25°C
K≫1	K~1
Product favored at equilibrium.	Significant quantities of reactants and
· · ·	products present at equilibrium.
B) $HF(aq) + HaO(P) \iff H_3O^{\dagger} + F^{-}$	· · · ·
K = 7.6× 10-5@ 25°C	
K<<1	
Reactant favored at equilibrium	
	▲ ⊃ ⊡ ⊥ ↓ ▲ Slide - 123



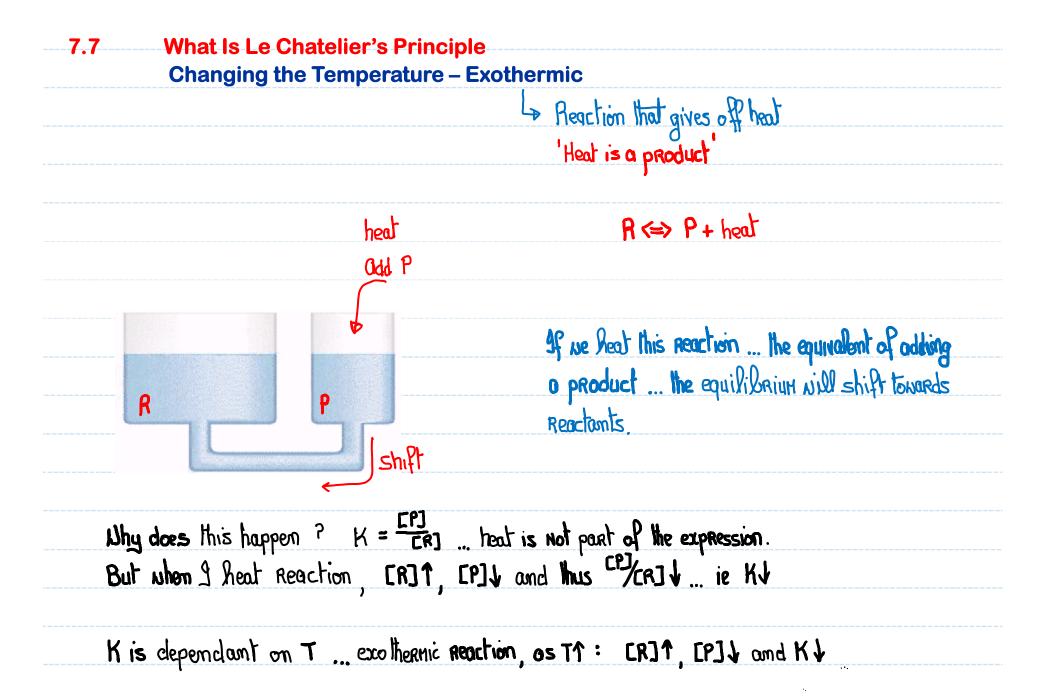








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	Heat is a reactant
heat	$R + heat \iff P$
add R _J	
	If we heat this reaction the equivalent of addimation
R P	towards products.
shift	

K is dependent on T ... endothernic reaction, as TT: [P]T, [R] and KT