Chem	istry 12 Unit 2 - Chemical Equi	librium
	4 moleogos 7 moleogas b) 4PH3(g) → P4(g) + 6H2(g)	
)	b) $4PH_{3(g)} \rightarrow P_{4(g)} + 6H_{2(g)}$	
	The products have greater entre	ору.
	c) NH3(g) -> NH3(aq) , (gas have more disorder	- thai
	The reactants have greater entre	
8.	When the two tendencies oppose each other (one favours reactants, the other favo	urs
	products), the reaction will reach a state of equilibrium	rium
	Processes in which both the tendency toward minimum enthalpy and toward max	imum
	entropy favour the products, will go to completion	
	Processes in which both the tendency toward minimum enthalpy and toward max	imum
)	entropy favour the reactants, will not occur at all	
/153	thirtopy favour the reactions, with	
9.	For each of the following reactions decide which has minimum enthalpy (reactants which has maximum entropy (reactants or products), and if the reactants are mixed, wh happen? (go to completion/ reach a state of equilibrium/not occur at all).	
9.	which has maximum entropy (reactants or products), and if the reactants are mixed, wh happen? (go to completion/ reach a state of equilibrium/not occur at all). 5 moleogas 4 moleogas 2H ₂ O(g) + 2Cl ₂ (g) + 114.4 kJ (exc)	
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9.	which has maximum entropy (reactants or products), and if the reactants are mixed, when happen? (go to completion/ reach a state of equilibrium not occur at all). 5 moleogas 4 meleo 903 a) 4HCl(g) + O2(g) = 2H2O(g) + 2Cl2(g) + 114.4 kJ (exc) The Products have minimum enthalpy. The Veactants have maximum entropy.	at will
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Worksheet 2-1 - Equilibrium, Enthalpy and Entropy