	4 not gas 6 not gas
	c) $4PH_{3(g)} \rightleftharpoons P_{4(s)} + 6H_{2(g)} + 37 \text{ kJ } (exo)$
	The products has/have minimum enthalpy.
	The products has/have maximum entropy.
3/	If PH3(g) was put in a flask, what should happen?(go to completion/ reach a state of equilibrium/not occur at all) ge to completion
20	
·1) -	Explain the tendency for mox entropy may be opposing it
21	. Do systems always reach maximum entropy at equilibrium?
-1/	Explain. the tendency for min. enthalpy may be opposing it
9	and really has nothing to do with the (Answers are either entropy or enthalpy)
23	As a reaction approaches equilibrium, the rate of the forward reaction decreases.
(2)	while the rate of the reverse reaction
9/	Once equilibrium is reached, the rates become
24	Consider the reaction: BaCO _{3(s)} + heat BaO _(s) + CO _{2(g)}
	Which one of the following observations will indicate that the reaction has most likely achieved <i>equilibrium</i> ?
	a) The mass of the system becomes constant (always true "cons. of mass" b) The concentration of BaO(s) becomes constant (conc. of solids are always constant c) All the BaCO3 is consumed. (doesn't go to completion) d) The gas pressure of the system becomes constant
0	Your answer is (d) Explain why. Pressure wa macroscopic
	property - becomes constant at equilibrium
25.	Consider the following reaction: Fe ³⁺ (aq) + SCN ⁻ (aq) FeSCN ²⁺ (aq)
(2/	A solution of Fe(NO ₃) ₃ is added to a solution of KSCN. As equilibrium is being established,
	the [Fe3+] is decreasing and the [FeSCN2+] Increasing
. 1	
12	-L-L
****	rksheet 2-1 - Equilibrium, Enthalpy and Entropy Page 4