

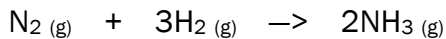
CHEMISTRY HOMEWORK SHEET

NAME _____

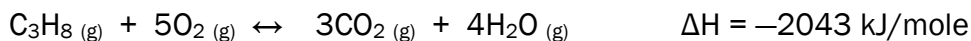
23	51
V	23 V+5
50.9415	23 protons 18 electrons 28 neutrons



Describe the equilibrium changes (*increase or decrease*) that occur in the reaction when the following factors are altered :

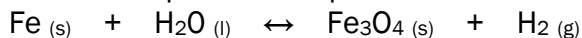


	[N ₂]	[H ₂]	[NH ₃]
Pressure decreases			
Pressure increases			
Ammonia is removed			
Hydrogen gas is added			

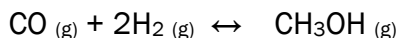


	[C ₃ H ₈]	[O ₂]	[CO ₂]	[H ₂ O]
Pressure increases				
Energy is added to the system				
Oxygen is removed				
Water is added				

Write the equilibrium expression for the following:



Keq = _____



Keq = _____

If the equilibrium concentrations in the above problem are: [CO] = 0.0911 M, [H₂] = 0.0822 M, and [CH₃OH] = 0.00892 M, what is the value of the equilibrium constant?
