8	2

LE CHATELIER'S PRINCIPLE

Name	
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Le Chatelier's Principle states that when a system at equilibrium is subjected to a stress, the system will shift its equilibrium point in order to relieve the stress.

Complete the following chart by writing left, right or none for equilibrium shift, and decreases, increases or remains the same for the concentrations of reactants and products, and for the value of K.

$$N_2(g) + 3H_2(g) \leftrightarrow 2NH_3(g) + 22.0 \text{ kcal}$$

		2107	2107			
	Stress	Equilibrium Shift	[N ₂]	[H ₂]	[NH ₃]	K
1.	Add N ₂	right		decreases	increases	remains the same
2.	Add H ₂					
3.	Add NH ₃					
4.	Remove N ₂					
5.	Remove H ₂					
6.	Remove NH ₃					
7.	Increase Temperature					
8.	Decrease Temperature					
9.	Increase Pressure					
10.	Decrease Pressure					