

LE CHATELIER'S PRINCIPLE

88/88

Name

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.



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

Le Chateliers Principle Answer Key

The Princeton Review



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