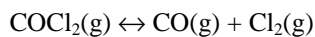
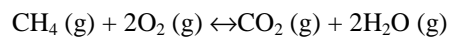


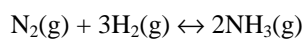
LeChatlier's Principle
(concentration and pressure stresses)



Stress	Equilibrium Shift	[COCl ₂]	[CO]	[Cl ₂]
Increase pressure	left			
Decrease pressure				↑
Add COCl ₂		----	↑	
Remove CO		↓	----	
Remove COCl ₂		----		
Add Cl ₂				----
Remove Cl ₂	right			----
Add CO			----	



Stress	Equilibrium Shift	[CH ₄]	[O ₂]	[CO ₂]	[H ₂ O]
Place in smaller container	No shift	Stays the same	Stays the same	Stays the same	Stays the same
Place in larger container					
Remove CO ₂				----	↑
Remove H ₂ O					----
Remove CH ₄		----	↑		
Remove O ₂	left		----		
Add CH ₄		----			
Add CO ₂				----	
Add O ₂			----		
Add H ₂ O					----



Stress	Equilibrium Shift	[N ₂]	[H ₂]	[NH ₃]
Place in smaller container				↑
Place in larger container				
Add N ₂		----	↓	
Add H ₂			----	
Add NH ₃				----
Remove N ₂		----		
Remove H ₂			----	
Remove NH ₃			↓	----