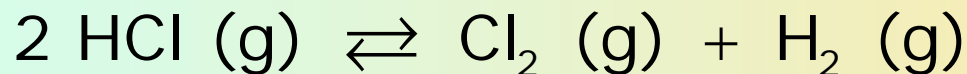
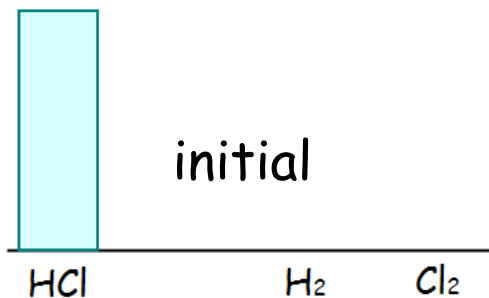


Equilibrium: conceptual questions

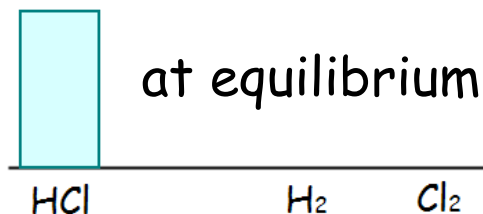
Consider this chemical equation and fill in the blanks



$n = 10 \text{ mol}$
 $p = 5 \text{ atm}$



$n = 6 \text{ mol}$



$$p = n \cdot \frac{RT}{V} \rightarrow \frac{p}{p_0} = \frac{n}{n_0}$$

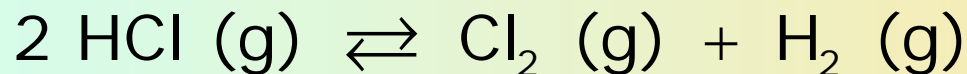
α

		HCl	H ₂	Cl ₂
initial	n_0	10	0	0
change	Δn			
at equil.	n	6		

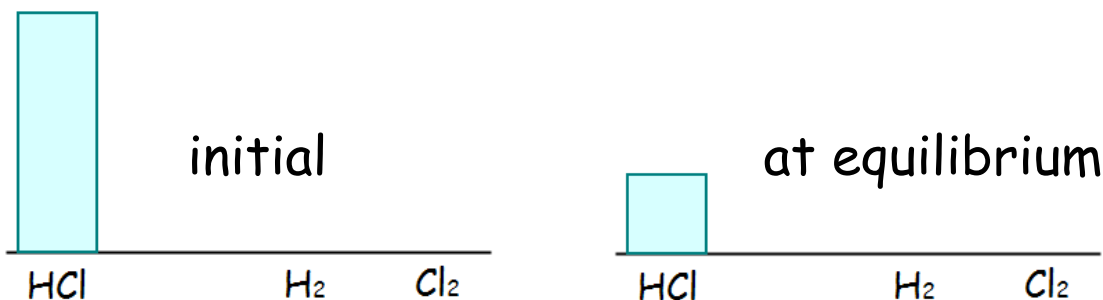
		HCl	H ₂	Cl ₂
initial	p_0	5	0	0
change	Δp			
at equil.	p			

Equilibrium: conceptual questions

Consider this chemical equation and fill in the blanks



$n = 10 \text{ mol}$
 $p = 5 \text{ atm}$



$$p = n \cdot \frac{RT}{V} \rightarrow \frac{p}{p_0} = \frac{n}{n_0}$$

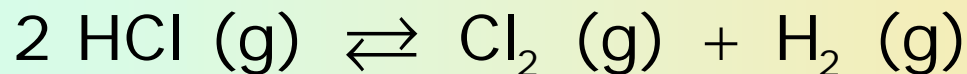
α 0.70

		HCl	H ₂	Cl ₂
initial	n_0			
change	Δn			
at equil.	n			

		HCl	H ₂	Cl ₂
initial	p_0			
change	Δp			
at equil.	p			

Equilibrium: conceptual questions

Consider this chemical equation and fill in the blanks



$n = 10 \text{ mol}$
 $p = 5 \text{ atm}$

at equilibrium

initial

$p = 2 \text{ atm}$

HCl

H₂

Cl₂

HCl

H₂

Cl₂

$$p = n \cdot \frac{RT}{V} \rightarrow \frac{p}{p_0} = \frac{n}{n_0}$$

α

		HCl	H ₂	Cl ₂
initial	n_0			
change	Δn			
at equil.	n			

		HCl	H ₂	Cl ₂
initial	p_0			
change	Δp			
at equil.	p			