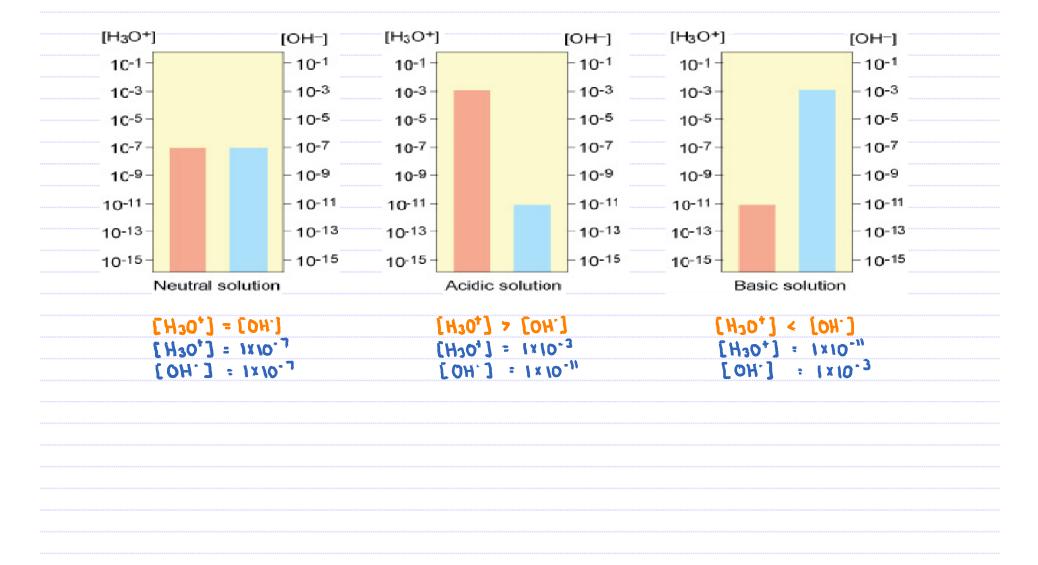


## 16.2 Water and the pH Scale Autoionization of Water – Neutral/Acidic/Basic Solutions

000 at 25°C: Kw = 1×10-14



16.2	Water and the pH S pH and pOH Calcu			
	Im goner	ol : pX = - k	g <sub>10</sub> X	
	рН = - Ход <sub>10</sub> [H3O		рОН = - Яодю [ОН']	
	@ <b>15°</b> C :	[H30'][0H	`] =   x  0 <sup>-14</sup>	
	R	о. ([H3O*][OH])	= Rog10 (1×10-14)	
		og [H30+] + log		
		•		
	1	log10 [H30+] - log		
		PH P	ЪН	
			-0-	
	РН	+ pOH = 14 @ 2	.5°C	

