Dougherty Valley HS A Acid Base Equilibrium Quick Check #2						7	S-77
Name:		Da	ate:		Period:	Seat #:	
Consider this	Cavors the Weake s equation: HC es are: and	$CN + H_2C$) = H			10 ⁻¹⁰ .	
I.C.E. Box Pro Calculate the	o blem e pH of a 0.100 <u>M</u>	HCN solution.	K _a for H	CN = 4.0 x	10 -10		
	HCN	$H_2O(l)$	⇆	H_3O^+		CN ⁻	
Initial							
Change							
Equilibrium							
pH Problems Calculate the	e pH of a 0.100 <u>M</u>	HBr solution.					
Calculate the	e pH of a 0.100 <u>M</u>	KOH solution.		_			
Calculate the	e pH of a 0.100 <u>M</u>	NH ₃ solution.		K _b for NH	$_3 = 1.8 \ge 10^{-10}$.5	
	NH ₃			NH ₄ ⁺		OH-	

	14113	1120(1)	-	1 11 14	OII
Initial					
Change					
Equilibrium					



CN- is the conjugate base of the weak acid, HCN. Finish the equation below:

 $CN^- + H_2O \leftrightarrows$