Chem 10123, Quiz 3 February 12, 2020			Name:	
			Name:(Please Print)	
1.	neutral (N) in aqueous so	lution.		uld be acidic (A), basic (B), or
	KOCl	CH ₃ NH ₃ Br	HOCl_	
	$(CH_3)_2$	2NH	HOCl_ KNO ₃	N ₂ O ₅
2.	(2 points) Regarding the C the essential <i>equilibrium</i>	H ₃ NH ₃ Br _(aq) solution reaction that account	on above, write the <i>bale</i> ts for your answer.	anced <u>net ionic</u> equation for
3.	Barium nitrite, Ba(NO_2) ₂ (molar mass = 229.35) dissolves in water to yield a <i>basic</i> solution.			
	(a) (3 points) Why is the s equation that account	_	in in 30 words or less a	nd write the <i>balanced <u>net ionic</u></i>
	(b) (3 points) SHOW AI 300.0 mL of 0.150 M		ine the mass of Ba(NC	0 ₂) ₂ that is required to prepare

(c) (8 points) SHOW ALL WORK. Clearly state and justify any assumptions that you may make. Determine the pH of this 0.150 M Ba(NO₂)₂ solution. (For HNO₂, pK_a = 3.34)