Nan	ie:		Date:	Period:	Seat #:	
	Buffer basics What could you mix with 100. mL of $2.00 \ \underline{M}$ HNO ₂ (nitrous acid) to make a buffer?					
	What	is the pH of the best buffer made from	nitrous acid, HNO	₁₂ ? K	L_a of HNO ₂ = 4.0 x 10 ⁻⁴ .	
	•	ng the pH of a buffer				
		reak acid, HCN, could be used to make is the pH of the best buffer made from		for HCN is 6.	2×10^{-10} .	
	What	ratio of [HCN] to [CN ⁻] is needed to ha	ave a buffer with p	oH = 9.00?		
	_	e Choice Question: In of the following mixtures would result 10 mL 0.20 M HCl and 10 mL 0.40 M 10 mL 0.20 M HF and 10 mL 0.20 M 10 mL 0.40 M HC ₂ H ₃ O ₂ and 10 mL 0.	<u>1</u> NH3 NaF	on?		
	A) B) C) D)	II only II and III only I and III only I, II and III None of these will result in a buffer so	olution			