Announcements - Lecture XX - Tuesday, Nov 19th

1. Lab 6 – Saturday, November 23rd, 1:00-4:00 pm – ISB 155/160 A-E Lab Owl V– Deadline – Saturday, November 23rd, 11:59 pm

2. Exam III – Tuesday, December 3rd – In Class – 12:45-2:15 pm <u>3 or 4 questions will be taken from Lab Owls 3, 4 and 5.</u> *Sunday, December 1st – Review , 3:00-5:00pm – ISB 135*

3. Final Exam – Tuesday, December 10th – Marcus 131 – 8:00-10:00 am Sunday, December 8th – Review , 3:00-5:00pm – ISB 135



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8.10 What Are Buffers? – How Do They Resist Drastic pH Changes





8.10 What Are Buffers? – Making an Optimal Buffer Solution – pH and pKa

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8.10 What Are Buffers? – Making an Optimal Buffer Solution

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 $[b] [\bullet]] ...] [\downarrow] [\bullet] [\bullet]]]$

	How many of the following aqueous solutions are buffers? 3	
a) 0.24 I	N HI + 0.18 M Nal X HI is a strong acid	
d) 0.10 l	N CH3COOH + 0.18 M CH3COOK / Neak acid and its conjugate base	
c) 0.27 I	VNH4Br + 0.31 MNH3 / Neok acid and its conjugate base	
b) 0.34 I	$N NH_4 NO_3 + 0.39 M NaNO_3 X ND_3 is not the conjugate base of NH4+$	
d) 0.10 I	WHCI + 0.21 M NaF $/$ SA+ NB = 100% H ₃ 0 [†] + F ⁻ = H ₂ O(I) + HF(ag)	
	0.1M 0.21M = 0.1M	
	Ofter Reaction O.IM HF and O.IM F Remain!	

