UNIT6-DAY8-LaB1230pm

Monday, March 04, 2013 7:34 PM

> Thinking Like a Chemist About Equilibrium & Acids and Bases UNIT6 DAY8 RAQ

> > CH302 Vanden Bout/LaBrake Spring 2012

CH302 Vanden Bout/LaBrake Spring 2012

What are we going to learn today?

REVIEW Equilibrium Behavior of Acids/Bases: Aqueous Solutions Neutralization Reactions

UNIT6-DAY8-LaB1230pm Page 1

IMPORTANT INFORMATION



CH302 Vanden Bout/LaBrake Spring 2012

IMPORTANT INFORMATION

	UNIT 6 EXAM WEDNESDAY EVENING 7PM-9PM
	Dr. VandenBout 9:30AM (51540)
	WEL 1.316 version # 1- 160
	BEL 328 version # 161-330
	WEL 2.246 version# 331+
	Dr. LaBrake 11 AM (51535)
	WCH 1.120 version # 1-175
	PAI 3.02 version # 176-325
	MEZ 1.306 version # 326+
-	
	Dr. LaBrake 12:30 PM (51525)
	JGB 2.324 version # 1- 175
	WEL 2.122 version # 176+

POLL: CLICKER QUESTION 1

Thinking about the UNIT 6 EXAM material, I have a good sense of what I understand and don't understand.

- A) Not True of Me AT ALL
- B) Somewhat Not True
- C) I'm not sure how I would know if I'm ready for the Exam
- D) Moderately True of Me
- E) Very True of Me





CH302 Vanden Bout/LaBrake Spring 2012











UNIT6-DAY8-LaB1230pm Page 6

Play a "Know your solution" game

Work with a couple of neighbors. Clicker questions will come periodically. Someone will explain what is going on! If you know this cold, you are in really GREAT shape for the exam.

CH302 Vanden Bout/LaBrake Spring 2012

POLL: CLICKER QUESTION 3

POLL: CLICKER QUESTION 4

 The pH of 0.25 M Anilinium chloride is:

 A) 11.4

 B) 9.4

 C) 7.4

 D) 4.6

 E) 2.6

POLL: CLICKER QUESTION 4

The pH of a solution with .1 M Aniline and 0.25 M Anilinium chloride is:

A) 11.4

B) 9.6

- C) 7.6
- D) 4.2 E) 2.4
- -, -..

CH302 Vanden Bout/LaBrake Spring 2012

POLL: CLICKER QUESTION 5

The pH of a solution with 0.5 moles of HCl added to 1 Liter of 1 M Aniline is:

- B) 9.6
- C) 7.6
- D) 4.6
- E) 2.6

POLL: CLICKER QUESTION 6

The pH of a solution with 0.01 moles of HCl added to 1 Liter of .1 M Aniline and 0.25 M Anilinium chloride is::
A) 11.1 B) 9.9 C) 7.1 D) 4.1 E) 2.1
CH302 Vanden Bout/LaBrake, Spring 2012

Interpreting K and $\Delta_r G^\circ$

 ΔG_r difference in molar free energy of products and reactants at *any* definite fixed composition of reactants and products



Progress of reaction CH302 Vanden Bout/LaBrake Spring 2012



UNIT6-DAY8-LaB1230pm Page 10