UNIT8-DAY8-LaB11

Wednesday, May 01, 2013 12:05 PM

> Thinking Like a Chemist **About**

About the ENTIRE Semester

UNIT8 DAY7

ce Spring 2013

IMPORTANT INFORMATION

PLEASE FILL OUT YOUR COURSE EVALUATIONS

OFFICE HOURS FOR NEXT WEEK ARE DIFFERENT **CHECK WEBSITE FOR DETAILS**

Shauna MON 9AM Welch 3.138 LaBrake MON 1:30 – 3:00 PM VandenBout MON 3:30 – 4:30 PM

Woongsoon TUE 3-4 PM Suite A Alicia TUE 5-6 PM Suite B

Sarah & Leigh TH 12 - 2PM Welch 2.224

Max Mon 2.306C 5-6pm Stephenia Tue 2-3pm Chris Friday 3-5pm Review JGB 2.3....

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What are we going to learn today?

PONDER BIG IDEAS FROM PREVIOUS UNITS

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What are we going to learn today?

PONDER BIG IDEAS FROM PREVIOUS UNITS

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Principles of Chemistry II

@ Vandon Bout

Poll: Clicker Question 1

For most of this semester, I sat in:

A) Rows 1-4 (front of class)

B) Rows 5-8 (middle front)

C) Rows 9-12 (middle back)

D) Rows 13-15 (back of class)

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Poll: Clicker Question 2

For most of this semester, I sat in the same general location during class.

E=mc2

A) NOT True of me at all

B) Somewhat NOT True of me

C) Somewhat true of me

D) Very True of Me

wooled

No FR all MC 50 questions ~12 for each section Formula sheat

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C) Somewhat true of me

D) Very True of Me



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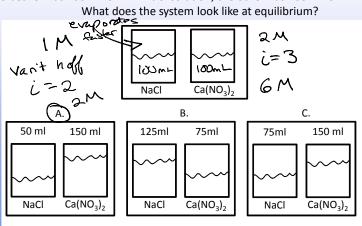
Formula Sheet (check website for example)

higher VP? ald solute, VP I bower G? more solute, I

When are we at equili? some trational



You initially start out with the solutions as shown in the same sealed container. One beaker has 100 mL of 1 M NaCl solution, the other has 100 mL of 2 M Ca(NO₃)₂.



Principles of Chemistry II

Poll: Clicker Question 4

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Pr=XA Ptotal

Equilibrium The equilibrium constant for the following reaction can be written

 $N_2O_4(g) \longleftrightarrow 2NO_2(g)$ $\frac{P_{NO2}^2}{P_{N2O4}} = \frac{(X_{NO2}P_{total})^2}{(X_{N2O5}P_{total})} = \frac{(X_{NO2})^2P_{total}}{X_{N2O4}}$

Given this, which will increase if the total pressure is increased?

B. X_{N2O4} C. X_{NO2} D. A &C E. A&B A. K

Principles of Chemistry II

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Poll: Clicker Question 5 Acid and Bases $\bigcup_{n:+} G$

Hypochlorous Acid has a $K_a = 3.5 \times 10^{-8}$

If you make a 1M solution of HClO which of the following will have a Concentration that is > 10-1 M? 3

