

## **Information for Test 2**

**Tuesday, October 21, 7:00-8:30 p.m.  
Please arrive at the test room by 6:45.**

**Test time: 7:00-8:30 (90 minutes)**

**Room: ONLY Torgersen 2150 THIS WILL BE  
THE TEST ROOM FOR EVERYONE IN THE  
CLASS.**

**Opiscans will be available at the test room, and a  
periodic table will be attached to the test.**

**30 Questions (16 from Ch. 4, 7 from Ch. 7, and 7  
from Ch. 8). Questions from Chapter 4 are first;  
those from Chapters 7 and 8 are mixed. Ten  
questions require a calculator.**

**BRING TWO #2 PENCILS AND YOUR  
CALCULATOR. You cannot use the calculator  
on your phone. No active electronic devices other  
than your TI-30X IIS calculator.**

**On Opscan: Bubble in Form Letter (A, B, or C) and Student ID Number. Print your name on the Opscan.**

**On the first page of the test, print AND sign your name.**

**There is room on the test pages for you to do your calculations.**

**After you complete the test, you must turn in the FIRST PAGE OF THE TEST (the cover page) and the OPSCAN. YOU CAN KEEP THE REST OF THE TEST PAGES, STARTING WITH PAGE 2.**

**Office Hours:**

**(Goodwin 247) 8:00-8:45, 11:15-12:00, 1:30-5:00**

**Wednesday, 15th**

**9:00-12:00, 4:00-5:00 Thurs, 16th**

**8:00-8:45, 2:30-4:30 Friday, 17th**

**11:15-12:00, 1:30-5:00 Mon, 20th**

**9:00-12:00, 4:00-5:00 Tues, 21st**

**Help Session: 7:00-9:00 p.m. Monday, 20th**

**Engel 223**

**Grades will be posted on Scholar by Wednesday, October 22.**

**What should you know?**

**Anything that was covered in class or through Connect or LearnSmart homework.**

**Common polyatomic ions, six common strong acids, strong bases (Group 1 hydroxides and hydroxides of Ca, Sr, and Ba), weak base (NH<sub>4</sub>OH or NH<sub>3</sub>), mathematical formulas used in class and in homework.**

**STUDY: examples done in class, Connect homework, Fall, 2013 test that is posted on Scholar, worksheets, Connect practice problems, etc.**

**You will be GIVEN:**

**Solubility Rules**

**Periodic Table**

$$c = 3.00 \times 10^8 \text{ m/s}$$

$$h = 6.63 \times 10^{-34} \text{ (Joule)(second)}$$

$$\text{Rydberg constant: } 2.18 \times 10^{-18} \text{ J } \underline{\text{or}} \text{ } 1.10 \times 10^7 \text{ m}^{-1}$$

$$K_w = 1.00 \times 10^{-14} \text{ at } 25 \text{ }^\circ\text{C}$$

*as revised*