

Supplemental Table 1. Pretest Survey

Directions: Answer all questions honestly and to the best of your ability. Do not leave questions blank; write "I don't know" or "I don't remember" when appropriate. These questions will not be graded for accuracy.
1. A graduated cylinder contains 23.5 grams of water. How many water molecules are in the cylinder?
2. Write formulas for the following compounds: a. Barium sulfate b. Manganese (III) acetate c. Potassium nitride d. Sodium chlorate
3. Name the following compounds: a. $\text{Mg}(\text{NO}_3)_2$ b. $\text{Fe}(\text{MnO}_4)_3$ c. Li_3P d. $\text{Cr}(\text{OH})_3$
4. Using the following unbalanced equation: $\text{H}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow \text{H}_2\text{O}(\text{g})$, how many grams of water can be produced from 125 g of hydrogen gas?
5. Where did you go to high school?
6. Which chemistry class(es) did you take in high school?
7. Which topic was MOST difficult for you in high school chemistry?
8. Which topic was EASIEST for you in high school chemistry?
9. How long ago was your last chemistry class?
10. What grade do you hope to earn in this class?
11. What will be the biggest CHALLENGE for you in this class?
12. Which of the following resources do you <u>think</u> will be most helpful to you in this class? Select ALL that apply. a. The textbook b. Dr. Bruck's office hours c. Videos on LMS* d. Free tutoring on campus e. Extra practice problems on LMS (WVC only) f. Notes summaries on LMS g. Worked sample problems on LMS (WVC only) h. Tutoring (from somewhere other than campus) i. Other (please list)
13. Which of the following resources do you <u>PLAN</u> to use to help you in this class? Select ALL that apply. a. The textbook b. Dr. Bruck's office hours c. Videos on LMS d. Free tutoring on campus e. Extra practice problems on LMS (WVC only) f. Notes summaries on LMS g. Worked sample problems on LMS (WVC only) h. Tutoring (from somewhere other than campus)

i. Other (please list)					
14. Please complete the chart.					
	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
I did well in high school chemistry.					
I feel prepared for college-level chemistry.					
I am good at managing my time.					
I am nervous about taking a college-level chemistry class.					
I believe I will be able to earn my desired grade in this class.					

**LMS stands for Learning Management System, which was Desire to Learn at WVC and Blackboard at VU.*

Supplemental Table 2. Checking-in Surveys #1 and #2

Directions: This survey is for my information only. You will receive credit for completing it honestly and to the best of your ability.					
1. Which of the following resources do you <u>CURRENTLY USE</u> in this class? Select ALL that apply. <ol style="list-style-type: none"> The textbook Dr. Bruck's office hours Videos on LMS* Free tutoring on campus Extra practice problems on LMS (WVC only) Notes summaries on LMS Worked sample problems on LMS (WVC only) Tutoring (from somewhere other than campus) Other (please list) 					
2. Which of the following resources do you <u>PLAN TO BEGIN USING</u> in this class? Select ALL that apply. <ol style="list-style-type: none"> The textbook Dr. Bruck's office hours Videos on LMS Free tutoring on campus Extra practice problems on LMS (WVC only) Notes summaries on LMS Worked sample problems on LMS (WVC only) Tutoring (from somewhere other than campus) Other (please list) 					
3. Please complete the chart.					
	Strongly	Disagree	Neutral	Agree	Strongly

	Disagree				Agree
I am satisfied with my grades so far.					
I need to improve my grades.					
My grades do not currently reflect my understanding of the material.					
I have a plan for getting on track.					
I believe I will be able to earn my desired grade in this class.					

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Supplemental Table 3. Midterm Survey

Directions: Answer the questions fully and honestly for a few bonus points
1. Are you satisfied with your performance on exams thus far?
2. Do you feel that your performance on exams reflected your understanding of the material?
3. How soon do you begin studying before exams? Select one answer only. <ul style="list-style-type: none"> a. The morning of the exam b. The night before the exam c. The day before the exam d. Two days before the exam e. More than two days before the exam
4. How much total time do you spend studying and preparing for exams? Select one answer only. <ul style="list-style-type: none"> a. 0-15 minutes b. 15-30 minutes c. 30-60 minutes d. 1-2 hours e. More than 2 hours
5. Do you feel that your overall grade in the course right now accurately reflects your understanding of the material?
6. Many students report they find this to be a challenging course. Do you find this course to be challenging? <ul style="list-style-type: none"> • If you answered YES, what aspect(s) of the course do you find most challenging? • If you answered NO, explain what causes you to not be challenged? (i.e. you took a very rigorous high school chemistry course, etc.)
7. Are you aware of the resources available to you online and on campus?
8. Do you currently use any resources online, on campus, or any other source? <ul style="list-style-type: none"> • If you answered YES, what resources do you currently use? • If you answered NO, explain why you do not use any resources from online, on campus, or other sources.

