

# Unit 0: A Review of Chemistry Fundamentals

CHEM 283

Fall 2022

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## 1 Wednesday, 17 August

### In class

1. Introductions.
2. Attendance and biography card.
3. A brief discussion on the syllabus.
4. Your first experiment!
  - Quantitative analysis of zinc in stainless steel [pdf](#)

### Assignments

1. Bring your biography card with a small head shot picture in the upper right hand corner.
  2. Finish writing up your procedure if you didn't do so in class today.
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## 2 Thursday, 18 August

### In class

1. Data collection for stainless steel analysis.
2. Data analysis and begun writing up your results.
  - Scientific Report Template [pdf](#)

### Assignments

1. Unit 0 problem set [pdf](#)

Work through as many of these exercises as possible before class tomorrow.

### 3 Friday, 19 August

#### In class

1. Completed first draft of calculations. Class discussion.
2. First draft of experimental paper.
3. Stoichiometry practice.

#### Assignments

1. Finish first draft of paper to turn in Monday.
  2. Complete the assigned videos and topic practice questions in AP Classroom (APC) before the start of class on Monday. Have a nice weekend.
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### 4 Monday, 22 August

#### In class

1. Discussed the Topic 1.1 practice exercises and the Unit 0 problem set.

#### Assignments

1. Quiz on Wednesday covering Unit 0 problem set.
2. If you feel that you need more practice on some of the Unit 0 topics here are the relevant sections in the Zumdahl text book. Reading each section will also give a number of worked questions. The exercises listed are at the end of each chapter.
  - Significant figures: Section 1.5, exercises 33 & 35.
  - Naming compounds: Section 2.8, exercise 75.
  - Stoichiometry: Sections 3.10 & 3.11, exercise 123.
3. Print a copy of your group's zinc layer paper to turn in tomorrow.

## 5 Tuesday, 23 August

### In class

1. Collected the zinc layer paper.
2. Practice Unit 0 quiz
3. Began to answer the question *How do we know isotopes exist?*

### Assignments

1. Review for the quiz tomorrow on Unit 0 topics.
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## 6 Wednesday, 24 August

### In class

1. Quiz on the Unit 0 topics. If you missed this quiz it will be placed in the Testing Center to take when you return to campus.

### Assignments

1. Watch Topic 1.2 Daily Video 1 assigned in APC before class tomorrow.