**CHEMISTRY 2022-23 August 29, 2022**

**Today’s Agenda (Day 9)**

1. HOUSEKEEPING ITEMS

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1. Homework Check:

🡪 Practice Problems 2.1 – 2.2

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1. Class Activity:

🡪 BEGIN: Chapter 2 PPT Review

1. **Section 2.1 – Units and Measurements**
2. **Section 2.2 – Scientific Notation & Dimensional Analysis**
3. Section 2.3 – Uncertainty in Data
4. Section 2.4 – Representing Data

🡪TUESDAY: Chapter 1 Test

HOMEWORK:

* READ: Chapter 2 – Analyzing Data
* COMPLETE: Chapter 2 Vocabulary (abridged template)
* STUDY: Chapter 1 , Chapter 1 and 2 Vocabulary, Lab Safety, Chapter 2

CHAPTER 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Applied research | Chemistry | Conclusion | Control | Dependent variable | experiment |
| Hypothesis | Independent variable | Mass | Model | Pure research | Qualitative data |
| Quantitative data | Scientific law | Substance | Theory  | Weight |  |

CHAPTER 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Accuracy | base unit | conversion factor | density | derived unit | dimensional analysis |
| Error | Graph | Kelvin | Kilogram | Liter | Meter |
| percent error | Precision | scientific notation | Second | significant figure |  |

REMINDERS:

* Ch 2 Vocabulary – Aug. 30
* Practice Problems 2.2 – 2.3 – Aug. 31
* TEST: **Ch 1 🡪 Aug. 30**
* QUIZ: **Ch 1 & 2 Vocabulary AND Lab Safety 🡪 Sept. 1**
* TEST: **Ch 2 🡪 Sept. 6**

**CHEMISTRY 2022-23 PRACTICE PROBLEMS**

**CHAPTER 2 – Analyzing Data**

**Practice Problems 2.2 –** Dimensional Analysis: Writing Conversion Factors

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**Practice Problems 2.2 –** Dimensional Analysis: Using Conversion Factors

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**Practice Problems 2.3 –** Calculating Percent Error



**Practice Problems 2.3 –** Significant Figures

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**Practice Problems 2.3 –** Rounding Numbers





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