**CHEMISTRY 2022-23 August 25, 2022**

**Today’s Agenda (Day 7)**

1. HOUSEKEEPING ITEMS

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1. Homework Check:

🡪 Ch 1 Launch Lab

🡪 Ch 1 Mini-Lab

 🡪 Chapter 1 Vocabulary

1. Class Activity:

🡪 DAY 2: a) Chapter 1 PPT Review

🡪 QUIZ: APA Citation

 **\*Go to** [**www.socrative.com**](http://www.socrative.com) **🡪 enter room “MSBCHEMISTRY” 🡪 enter ID #**

HOMEWORK:

* ~~READ: Chapter 1 – Introduction to Chemistry~~
* READ: Chapter 2 – Analyzing Data
* COMPLETE: Chapter 1 Vocabulary (abridged template)
* STUDY: APA Review, Chapter 1

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:

* ~~Chapter 1 Vocabulary – Aug. 25~~
* ~~QUIZ:~~ **~~APA Review 🡪 Aug. 25~~**
* Ch 2 Vocabulary – Aug. 30
* TEST: **Ch 1 🡪 Aug. 30**
* QUIZ: **Ch 1 & 2 Vocabulary 🡪 Sept. 1**
* TEST: **Ch 2 🡪 Sept. 6**

**CHEMISTRY 2022-23 MINI - LAB**

**CHAPTER 1 MINI LAB – Develop Observation Skills**

Why are observation skills important in chemistry? Observations are often used to make inferences. An inference is an explanation or interpretation of observations.

**Procedure **

1. Read and complete the lab safety form.

2. Add **water** to a **petri dish** to a height of 0.5 cm. Use a **graduated cylinder** to measure 1 mL of **vegetable oil**, then add it to the petri dish.

3. Dip the end of a **toothpick** into **liquid dishwashing detergent**.

4. Touch the tip of the toothpick to the water at the center of the petri dish. Record your detailed observations.

5. Add **whole milk** to a **second petri dish** to a height of 0.5 cm.

6. Place one drop each of **four different food colorings** in four different locations on the surface of the milk. Do not put a drop of food coloring in the center.

7. Repeat Steps 3 and 4.

**Analysis**

1. **Describe** what you observed in Step 4.

2. **Describe** what you observed in Step 7.

3. **Infer** Oil, the fat in milk, and grease belong to a class of substances called lipids. What can you infer about the addition of detergent to dishwater?

4. **Explain** why observations skills were important in this chemistry lab.