**CHEMISTRY 2022-23 October 18, 2022**

**Today’s Agenda (Day 38)**

1. HOUSEKEEPING ITEMS

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1. Homework Check:

🡪 Chapter 6 Practice Problems

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1. Class Activity:

🡪 QUIZ**: Chemicals and Symbols [elements, polyatomic ions, acids]**

**\*Go to** [**www.socrative.com**](http://www.socrative.com) **🡪 enter room “MSBCHEM2022” 🡪 enter ID #**

🡪 DAY 3: Chapter 6 PPT Review

1. **Section 6.3 – Periodic Trends**

🡪WEDNESDAY: BEGIN: Mock Chemistry SLC

HOMEWORK:

* READ: Chapter 6 – Periodic Table and Periodic Law
* READ: Chapter 7 – Ionic Compounds and Metals
* COMPLETE: Chapter 7 Vocabulary
* STUDY: Chapter 6 Test

CHAPTER 7

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Alloy | Anion | Cation | chemical bond | crystal lattice | delocalized electron |
| Electrolyte | electron sea model | formula unit | ionic bond | ionic compound | lattice energy |
| metallic bond | monatomic ion | oxidation number | Oxyanion | polyatomic ion |  |

REMINDERS:

* ~~Chapter 6 Practice Problems – Oct. 18~~
* Mini-Lab 6.2 Organize Elements – Oct. 19
* ~~QUIZ~~**~~: Chemicals and Symbols [elements, polyatomic ions, acids] 🡪 Oct. 18~~**
* TEST: **Ch 6 🡪 Oct. 20**
* TEST: **Ch 7 🡪 Oct. 27**
* QUIZ**: Chapter 7 & 8 Vocabulary 🡪 Nov. 1**
* TEST: **Ch 8** 🡪 **Nov. 8**

**CHEMISTRY 2022-23 MINI - LAB**

**CHAPTER 6.2 MINI LAB – Organize Elements**

**Can you find the pattern?**

**Procedure**

**1.** Read and complete the lab safety form.

**2.** Make a set of element cards based on the information in the chart at right.

**3.** Organize the cards by increasing mass and start placing them into a 4 × 3 grid.

**4.** Place each card based on its properties and leave gaps when necessary.

**Analysis**

**1. Make a table** listing the placement of each

element.

**2. Describe** the period (across) and group (down) trends for the color in your new table.

**3. Describe** the period and group trends for the mass in your new table. Explain your placement of any elements that do not fit the trends.

**4. Predict** the placement of a newly found element, Ph, that is a fuchsia gas. What would be an expected range for the mass of Ph?

**5. Predict** the properties for the element that would fill the last remaining gap in the table.

Table

Description automatically generated