**CHEMISTRY 2022-23 October 19, 2022**

**Today’s Agenda (Day 39)**

1. HOUSEKEEPING ITEMS

**🡪**

1. Homework Check:

🡪 Chapter 6 Practice Problems

🡪 Mini-Lab 6.2 Organize Elements

1. Class Activity:

🡪 DAY 3: Chapter 6 PPT Review

1. **Section 6.3 – Periodic Trends**

🡪**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 |  |

CHAPTER 8

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| coordinate covalent bond | covalent bond | endothermic reaction | exothermic reaction | Hybridization | Lewis structure |
| Molecule | Oxyacid | pi bond | polar covalent bond | Resonance | sigma bond |
| structural formula | VSEPR model |  |  |  |  |

REMINDERS:

* ~~Mini-Lab 6.2 Organize Elements – Oct. 19~~
* Chapter 7 Vocabulary – Oct. 20
* TEST: **Ch 6 🡪 Oct. 20**
* TEST: **Ch 7 🡪 Oct. 27**
* Chapter 8 Vocabulary – 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.

