CHEMISTRY MATTERS
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NOTE-TAKING GUIDE
UNIT 3, SEGMENT B

Name:

Date:

Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- ***To identify the organization of the periodic table.***
- ***To use physical and chemical properties of elements to predict their position on the periodic table.***

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"

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QUESTIONS TO CONSIDER: UNIT 3, SEGMENT B

Name:

Date:

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

1. The periodic table of elements is divided into two groups of elements. Name those two main groups.

2. In video segment 3B, you are expected to sort periodic table cards and label a blank periodic table. Make sure that you sort the cards while working on video 3B. Which unknowns are gases?

3. As you look down the column of gases, what pattern do you see in the melting point and density?

4. How could Mendeleev use the periodic table to predict the existence of elements that had not yet been discovered?

5. Define these areas of the periodic table: periods, groups, nonmetals, metals, metalloids.

6. LABEL all the columns of the periodic table.

7. Define atomic number and average atomic mass.

8. For beryllium, write its element symbol, its atomic number and its average atomic mass.