8. Know how to find the atomic mass, atomic number, number of protons, neutrons and electrons for the elements. Practice this by using Argon as an example.

9. What are valence electrons?

10. How many valence electrons does each group possess?

11. Know how to diagram an atom. Practice by doing Sulfur. Be sure to include protons and neutrons and ALL electrons in the correct level.

12. Explain why atoms want to form bonds.

13. What is the difference between an ionic bond and a covalent bond?

14. Why are atoms neutral?

15. How are positive and negative ions formed?

16. What is a diatomic molecule and what is an example of one?

17. Know how to draw the Lewis Dot Structure for an element. Practice by drawing hydrogen, carbon, and argon.

18. What are metallic bonds and why do they occur?

19. What do metallic bonds do for metals?

Study Guide for End of Unit Test on Elements/Periodic Table  
Test will be ***THURSDAY, MARCH 20th!***

The upcoming test will check your knowledge of information from pages 47-73 in your science notebook.

The answers to this study guide need to be completed on a separate sheet of paper to be turned in for a homework grade on the day of the test.

Two points extra credit will be awarded to those people who turn the study guide in on Wednesday.

Material from pages 47-57 should be a review as it was tested on the 9 weeks exam. I have still included questions on this study guide to help you review because this material is critical to what we are currently studying. These questions have been italicized.

*1. Into what three categories are elements grouped? Know how to find these three different types on the periodic table.*

*2. Who were the contributors we discussed to atomic theory and what did each person do?*

*3. How are protons, neutrons, and electrons alike and different?*

*4. What is an isotope?*

*5. What forces do atoms experience and what does each do?*

6. Who was Dmitri Mendeleev and why was he important?

7. How is the periodic table organized?