Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_ Ast: \_\_\_\_\_

**Periodic Table Notes**

1. **Mendeleev’s Periodic Table**
   1. How did Mendeleev organize the elements horizontally?
   2. How did Mendeleev organize the elements vertically?
   3. What made Mendeleev’s periodic table better than any that had come before it?
2. **The Modern Periodic Table**
3. How is the modern periodic table organized differently from Mendeleev’s periodic table?
   * 1. Why is this important?
4. Why is it called the “periodic” table of elements?
5. **Information in the Periodic Table**
6. Why do some element symbols not seem to match the element name?
7. What is the atomic number?

6

C

Carbon

12.011

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What is the atomic mass? What does “a.m.u.” stand for? Why is it not usually a whole number?
6. **Organization**
7. What are the vertical columns called (*they have two names*)? Why?
8. What are the horizontal rows called? Why?
9. **Patterns in the Periodic Table**
10. Horizontal Patterns
11. Vertical Patterns


15. Sections