**Periodic Table Guided Notes**

Answer each in a complete sentence. Be sure to restate the question in your answer.

1. What are periods?
2. What are groups?
3. Write down the names, group number, number of valence electrons and two characteristics of each of the follows families on the periodic table: alkali metals, alkaline earth metals, noble gases, halogens , transitional metals
4. What is a metalloid?
5. What are the 6 nonmetals most vital to human life?

**Atomic Structure Guided Notes**

Answer each in a complete sentence. Be sure to restate the question in your answer.

1. What are the three subatomic particles in the atom?
2. Create a chart that includes the subatomic particle, charge and mass and symbol for each
3. What is the symbol for atomic number? What is the symbol for atomic mass?
4. Which subatomic particle represents the identity of the atom?
5. To determine the atomic mass or mass number of an atom which two subatomic particles do you add together?
6. What is the definition of an isotope?
7. Draw the diagram of the atom from the video. Label the protons, neutrons, electrons, nucleus, shells(orbitals), and valence electrons.