

## **Chemistry Test Topics**

1. What is the Difference between:
  - a. Volume and mass and weight
  - b. Pure substances and Mixtures
  - c. Elements and Compounds
  - d. Qualitative observations and Quantitative Observations
  - e. Physical Properties and Chemical properties
  - f. Physical Change and Chemical Change
  - g. Metals and Nonmetals
2. Explain the difference between Solids and Liquids and Gases in terms of particles
3. Density Calculation
4. Label and describe the different parts of an atom
  - a. Proton
  - b. Neutron
  - c. Electron
5. Draw a Bohr-Rutherford model of an atom of an element (one of the First 20)
6. Parts of the Periodic Table
  - a. What does the period number mean
  - b. What does the group number help with
  - c. Where are the noble gases, alkali metals, halogens, metals, nonmetals, metalloids
7. Why do reactions occur?
  - a. Why do the noble gases not react?
  - b. What happens when the alkali metals and halogens react