Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent Initials: \_\_\_\_\_\_\_\_\_\_

**Unit 10-Chemistry**

Vocabulary:

* Protons
* Neutrons
* Electrons
* Electron Cloud
* Nucleus
* Valence Electrons
* Chemical Properties
* Reactivity
* Periodic Table
* Groups
* Families
* Periods
* Metals
* Nonmetals
* Metalloids
* Transition metals
* Chemical reaction
* Precipitant
* Chemical Formulas
* Substances
* Subscripts
* Chemical equation
* Balanced equation
* Coefficients
* Law of conservation of mass
* Elements
* Compounds
* Luster
* Conductivity
* Malleability
* Organic compounds
* Carbon
* Physical change
* Chemical Change
* Digestive system

1. **Periodic Table**

You should be able to:

* Understand what information the atomic number tells you
* Understand what information the atomic mass tells you
* Explain what the period number tells you
* Explain what the group number tells you
* Determine how many valence electrons an atom has
* Explain how valence electrons help determine reactivity
* Distinguish between metals, nonmetals, metalloids and noble gases
* Use and draw Bohr models of atoms

1. **Atomic Structure**

You should be able to:

* Name the three parts of an atom
* Know what charge each subatomic particle has
* Know the location of each subatomic particle
* Know how many electrons are on each energy level

1. **Formulas**

You should be able to:

* Distinguish between an element and a molecule
* Read and understand chemical formulas
* Determine if a chemical equation is balanced
* Determine how many atoms are in a compound or chemical equation
* Understand the Law of Conservation of Mass

1. **Chemical and Physical Changes**

You should be able to:

* Understand the difference between chemical and physical changes
* Explain how something has gone through a chemical change
* Identify the different evidence of chemical changes

1. **Organic Compounds**

You should be able to:

* Identify what organic compounds contain
* Identify from a chemical equation if the compound is organic or not