**Chemistry**

**Unit 1Test Matter**

**Multiple Choice: 15                Fill in Blank: 5 Short Answers:    4 Matching: 10               Define: 3 Chart: 7**

**Fill In Blank:**

* **Know the definition of the following.**
* **Word bank will be placed on the board**

1. **Kinetic energy**
2. **Endothermic reaction**
3. **Exothermic reaction**
4. **Homogeneous**
5. **Potential energy**
6. **Heterogeneous**
7. **Group**
8. **Period**

**Matching:**

* **Know the definition of the following.**

1. **inertia**
2. **kinetic energy**
3. **law of definite composition**
4. **liquid state**
5. **solid state**
6. **energy**
7. **chemical change**
8. **E=MC2**
9. **mass**
10. **weight**
11. **volume**

**Define: (in your own words)**

1. **Solution:**
2. **Law of conservation of energy**
3. **Law of definite composition**
4. **List the stages of the scientific method**

**Chart:**

**1. Know the characteristics of mixtures and compounds**

**2. Know the properties of metals and nonmetals**

**Short Answers:**

1. **Define and tell the difference between physical and chemical changes**
2. **List and describe the 3 states of matter and give an example of each**
3. **Know the difference between a physical and a chemical change.  You will be given an example and you must decide which it is and explain why.**
4. **Define and tell difference between kinetic and potential energy.  give an example of each**

**Multiple Choice:**

1. **How is chemistry classified?**
2. **Define:**
   1. **organic chemistry**
   2. **physical chemistry**
   3. **analytical chemistry**
   4. **biochemistry**
   5. **mass weight**
   6. **volume**
   7. **density kinetic energy**
   8. **potential energy**
   9. **homogeneous**
   10. **heterogeneous**
   11. **law of conservation of mass**
   12. **solid**
   13. **liquid**
   14. **gas**
3. **Why doscientist organize, analyze and classify data?**
4. **What 3 things occur in a chemical reaction?**
5. **Know the difference between elements and compounds.  Be able to give examples of each**