***Define the Law of Conservation of Mass***

* Matter cannot not be \_\_\_\_\_\_\_\_\_\_\_ nor \_\_\_\_\_\_\_\_\_\_\_\_\_.
* In a chemical \_\_\_\_\_\_\_\_\_\_, the \_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_ equals the \_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_.
* The number of atoms in the reactant side must \_\_\_\_\_\_\_\_\_\_ the number of atoms in the product side.
* No new elements appear.
* No new elements disappear.

**Balancing Equations**

* Step 1: Write the equation
* Step 2: \_\_\_\_\_\_ a line through the \_\_\_\_\_\_\_ of the equation.
* Step 3: Write down the \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_. Plus \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ you have of each.
* Step 4: Look for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that are \_\_\_\_\_ the \_\_\_\_\_\_\_\_ and balance to the highest number.
* Step 5: Using multiplication \_\_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_ number by a number that will give you the same number on the opposite side.
* Step 6: This sometimes will change your formula so adjust.
* Step 7: When you are done look at \_\_\_\_\_\_ sides and see if your numbers \_\_\_\_\_\_\_\_, if they don’t start the process again.