

**Law of Conservation of Mass , chemical reaction ,  
closed system, chemical equations, coefficient,  
subscript, reactant, product,, open system**

\_\_\_\_\_ An environment where matter can enter or escape

\_\_\_\_\_ When bonds between the electrons of atoms are formed or broken

\_\_\_\_\_ is written as an expression similar to a mathematical equation that  
Can Be compared to a recipe that a chemist follows in order to  
Produce desired results.

\_\_\_\_\_ The numbers behind the chemical symbols

\_\_\_\_\_ The substances present before the reaction occurs

\_\_\_\_\_ An environment where matter cannot enter or escape

\_\_\_\_\_ During a chemical reaction matter cannot be created or destroyed

\_\_\_\_\_ The numbers in the front of chemical symbols

\_\_\_\_\_ The substances created after the reaction takes place