Closed System A. In a closed reaction mass cannot be lost.	Find the molecular mass of the following compounds.
2. The Law of Conservation of Mass A products.	N2 19 +19 = 28 AMU
3. Open System Sales Can't escape.	CaF2 40 + 19 + 19 = 78 AMU
4. Atomic Mass D. How heavy a compound or molecule is.	CaF <sub>2</sub> 40 + 19 TM - 70 HH
5. Molecular The When gases aren't caught by the experimental setup.	sul Aradil
6. Balanced Reaction F. The decimal numbers on the periodic table.	CO2 12+ 16+16 = 44 AMU
Find the atomic masses for the following elements	
A. Sodium = E. Gold =	Na2SO3 23+23+32+16+16+16
B. Chlorine = 35 F. Hydrogen = 1	
C. Iron = $56$ G. Neon = $70$ H. Lead = $207$	126 AMU
Open or closed reaction?	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Will you be able to prove the Law of Conservation of Mass with this setup? Why or why not?  No the System  Is not closed:	$2Mg + O_2 \rightarrow 2MgO$ If 23 g of Magnesium is reacted with Oxygen to produce 38 g of Magnesium Oxide, how much Oxygen was used in the reaction?
Will the mass of his products be greater than, less than, or equal to his reactants? USS  Why?  Products OSC-POS	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
How many total molecules are there?	How many total atoms are there?
7 2H <sub>2</sub> O S 5Be <sub>2</sub> Br S 8CO <sub>2</sub> 3 3NaCl O <sub>2</sub> MgS	How many total atoms are there? $\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\text{Li}_2\text{O} + \text{MgCl}_2 \rightarrow 2\text{LiCl} + \text{MgO}$	$2K_3N + 3CaCrO_4 \rightarrow Ca_3N_2 + 3K_2CrO_4$
Name the first reactant: Lithium Oxide	Circle the second reactant. Underline the first product.
Name the second product: Was no seen Oricle	How many Nitrogen atoms on the reactant side:
How many Magnesiums on the product side?	How many Calcium atoms on the product side? 3
$2AlCl_3 + 3Na_2CO_3 \rightarrow (Al_2(CO_3)_3 + 6NaCl$	$Fe_2O_3 + 3C \rightarrow 2Fe + 3CO$
Circle the first product. Underline the first reactant.	Circle and Name the first reactant: Iron Okide
How many Sodium atoms on the product side?	How many total atoms on the product side:
How many AlCl <sub>3</sub> molecules on the reactant side?	How many total molecules on the reactant side: