Name _____ Date _____ Period _____ Page _____

Counting Atoms

$C_{12}H_{22}O_{11}$ -

C =

H =

O =

H_2SO_4 -

H =

S =

O =

$NaC_2H_3O_2$

Na =

C =

H =

O =

$H_4Mg_3Si_2O_9$

H =

Mg =

Si =

O =

$6H_2O + 6CO_2 \text{ -------}\rightarrow C_6H_{12}O_6 + 6O_2$

How many of each type of atom appears on each side of the chemical equation?		
Atoms	Reactant side	Product side

Is this equation balanced? _____

$NaCl + Ag_2SO_4 \text{ -------}\rightarrow Na_2SO_4 + AgCl$

How many of each type of atom appears on each side of the chemical equation?		
Atoms	Reactant side	Product side

Is this equation balanced? _____

$2H_2O_2$ --------→ $2H_2O$ + O_2

How many of each type of atom appears on each side of the chemical equation?		
Atoms	Reactant side	Product side

Is this equation balanced? _____

HCl + $NaHSO_3$ -------→ $NaCl$ + H_2O + SO_2

How many of each type of atom appears on each side of the chemical equation?		
Atoms	Reactant side	Product side

Is this equation balanced? _____

$CuSO_4$ + 2KOH --------→ $Cu(OH)_2$ + K_2SO_4

How many of each type of atom appears on each side of the chemical equation?		
Atoms	Reactant side	Product side

Is this equation balanced? _____