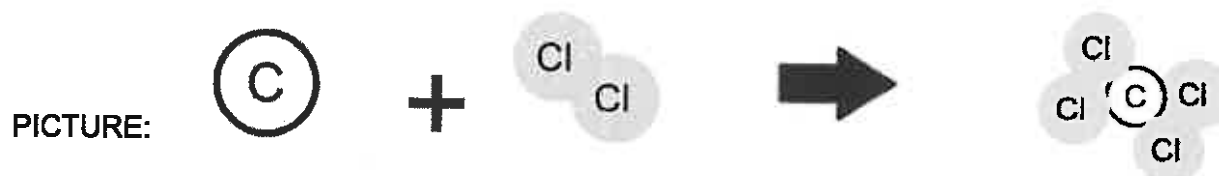


Balancing Equations with Manipulatives and Pictures

Names: _____

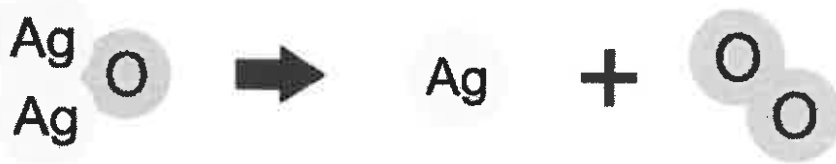
1. Look at each chemical equation.
2. Remember: You can NOT add atoms to existing compounds/molecules. You can ONLY duplicate the atoms/molecules that are already there.
3. First use the "atoms" (chips) and paper symbols in the plastic bag to make the chemical equation.
4. Add extras of things that you need until you have the same amount of each kind of atom on each side of the equation.
5. Then, look at your model to complete the picture by drawing as many atoms/molecules on each side of the equation that you need to balance out each side. (You need the same amount of each kind of atom on each side of the equation.)
6. Color code each different kind of atom according to the color of the chips in the bag..
7. Then, add coefficients to the equation to represent how many of each atom/molecule you have for each chunk of stuff.

#1:



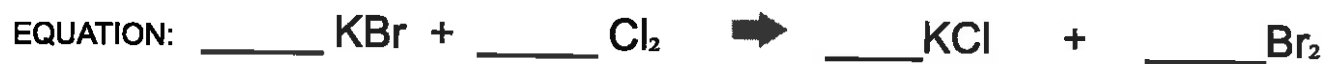
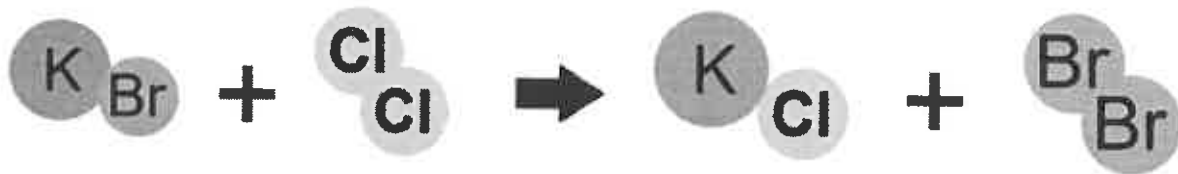
#2:

PICTURE:



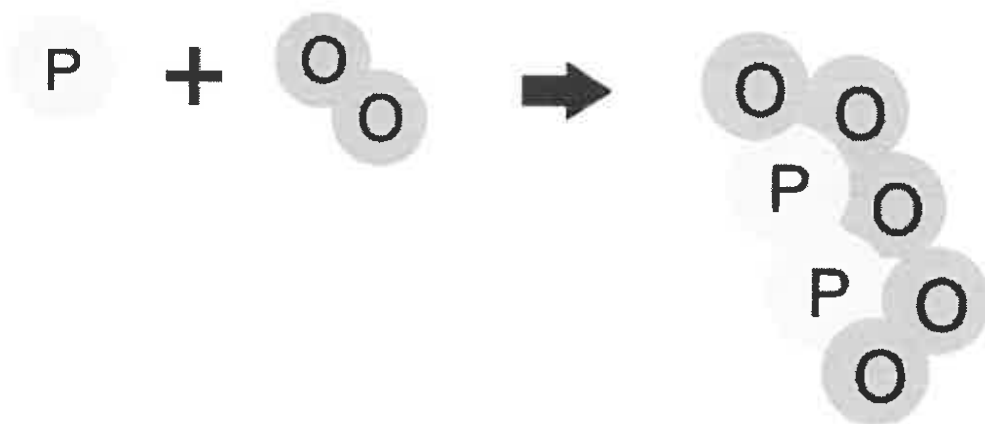
#3:

PICTURE:



#4:

PICTURE:



#5:

PICTURE:

