Name _	Date		Period	
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C405R Chemistry Balancing Practice 1

Steps to Balancing Chemical Equations

- 1) Draw a vertical line under the arrow and count the number of atoms for each element.
- 2) Pick an element that is not equal on both sides of the equation.
- 3) Add a number (coefficient) in the space in front of the formula with that element and adjust your counts.
- 4) Continue adding coefficients to get the same number of atoms of each element on each side.

***To receive full credit, you must show all of your work. ***

1.
$$\underline{\hspace{1cm}}$$
 K + $\underline{\hspace{1cm}}$ MgI₂ \rightarrow $\underline{\hspace{1cm}}$ KI + $\underline{\hspace{1cm}}$ Mg

2. Na + MgF₂
$$\rightarrow$$
 NaF + Mg

3.
$$ZnCl_2 + K_2O \rightarrow ZnO + KCl$$

4.
$$CaCl_2 + KClO_3 \rightarrow Ca(ClO_3)_2 + KCl$$