How to balance Chemical Equations:

Follow these steps:

1. Be sure all formulas are correct
2. Balance the equation:
   1. List the atoms below the arrow and Add them up on either side
   2. Find the easiest **unbalanced atom** and swap the numbers from the bottom
   3. Follow through on the changes that this makes
   4. Double all numbers written if you reach a point where an atom won’t balance
3. Check you answer by counting up the atoms on both sides again

This is not the only method but these rules always work when followed properly

Examples:

1. \_\_\_Na + Cl2 NaCl

2. Ca + Cl2 CaCl2

3. H2O H2 + O2

4. Cu + AgCl Ag + CuCl2

5. FeCl2 + K2S FeS + KCl