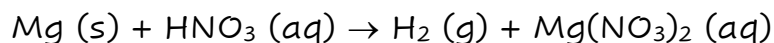
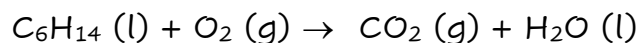
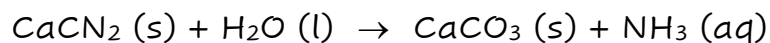


Balancing Chemical Equations

A chemical reaction is a rearrangement of atoms. Both sides of the equation must have the same type of atoms and the same number of each type of atom due to conservation of mass.

1. Balance the following equations:



2. Write a balanced chemical equation for the reaction of solid calcium phosphate with solid silicon dioxide and solid carbon to produce solid tetratomic phosphorous, P_4 , wollastonite (CaSiO_3), and carbon monoxide gas.

The reactants are $\text{Ca}_3(\text{PO}_4)_2$, SiO_2 , and C . The products are P_4 , CaSiO_3 , and CO .

