**Reaction Stoichiometry**

Pb(NO3)2(aq) + 2 NaCl(aq) --> PbCl2(s) + 2 NaNO3(aq)

If you have 5 moles of Pb(NO3)2, how many moles of PbCl2 can you make?

If you have 5 moles of NaCl, how many moles of PbCl2 can you make?



CH3CH2OH + 3 O2 🡪 2 CO2 + 3 H2O

If we react 100 grams of CH3CH2OH, how many grams of H2O are formed?

**Limiting Reactants**

A cake recipe calls for 3 eggs, 2 cups of flour, and 3 teaspoons of sugar. If you have:

* 9 eggs
* 8 cups of flour
* 12 teaspoons of sugar

how many cakes can you make?

 