

# Balancing equations

REACTANTS  $\longrightarrow$  PRODUCTS

When an equation is balanced it shows what is happening in a reaction.

We use the formulas and symbols of all the substances in the reaction to work out the products. So, how do we balance equations?

- I. Decide the types of atoms in the equation.
- II. Under the reactants side of the equation, count how many of each atom we have.
- III. Under the products side of the equation, count how many of each atom we have.
- IV. Balance both sides using big numbers in front of the compounds and elements/atoms to make them the same amount. ( we cannot input small numbers ourselves)