

Chemical reaction

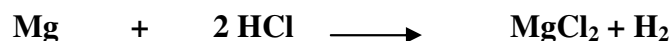
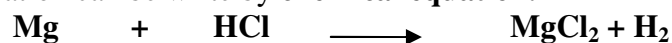
- is process, where reactants are changing for products. The substances that are mixed are called- **reactants** and the new things which result are called **products**.



The products may have very different physical and chemical properties to the reactants. Chemical reactions can be described by **word equations**.

Eg.: magnesium + hydrochloric acid \longrightarrow magnesium chloride + hydrogen

Word equation can be write by **chemical equation**.



Rules for writing chemical equations:

1. Write down the word equation.
2. Write down the correct formula for each of the chemicals.
3. Add up the atoms of each element on the left-hand side of the arrow.
4. Add up the atoms of each element on the right-hand side of the arrow.
5. If there are the same number of atoms of each element on the left-hand side of the arrow as there are on the right-hand side of the arrow, then the equation is balanced.

Homework:

Write down three things that you might see and two things that you might hear when a chemical change takes place.