

# Chemical Equations

# C-notes

## Chemical Equation

**A chemical equation describes what happens in a chemical reaction.**

*It names the substances that you start with and the new substance (s) you end up with.*

Examples:

iron + oxygen → rust

vinegar + baking soda → carbon dioxide

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## Parts of a Chemical Equation

A chemical equation has two parts:

**Reactants- the substances that you start with and**

**Products- the new substance (s) that you end up with**

**iron + oxygen → rust**

The arrow → means yields which means produces, gives way to

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## Chemical Equation: Practice

**Photosynthesis- the "process" (CHEMICAL REACTION) where plants get energy from the sun**

Water+light+carbon dioxide  
→Water vapor+oxygen+sugars

**Reactants:**

**Products:**

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## Chemical Equation: Practice

**Cellular Respiration- the "process" (CHEMICAL REACTION) where your cells make energy from food and oxygen**

Glucose+oxygen  
→Water vapor+carbon dioxide+energy

**Reactants:**

**Products:**