

6.1 Word Equations

A way to represent a chemical reaction

Reactants (starting materials) are on the left and Products (end materials) are on the right. They are separated by an arrow  $\rightarrow$ .

Reactants  $\rightarrow$  Products  
 ↑  
 "produces", "yields", "forms"

Examples:

1. Iron in contact with air forms rust ( $\text{Fe}_2\text{O}_3$ ).

word equation:

iron + oxygen  $\rightarrow$  iron(III) oxide

2. When copper wire is immersed in  $\text{AgNO}_3$  solution it forms silver and  $\text{Cu}(\text{NO}_3)_2$ .

Feb 21-2:07 PM

Feb 21-2:14 PM

copper + silver nitrate  $\rightarrow$  silver + copper(II) nitrate

3. When hydrogen is burned, it makes water. reacts with  $\text{O}_2$

hydrogen + oxygen  $\rightarrow$  water



p.219 2-5

Feb 21-2:19 PM