

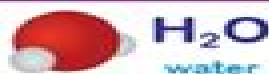
Chemical Reactions

Signs of Chemical Reactions

What is a chemical reaction? _____

Chemical Formulas

A chemical formula uses _____ to identify the _____ in a compound and the _____ of each kind present in a molecule.



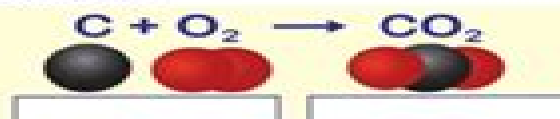
A water molecule is made up of _____ atoms of _____ bonded to _____ atom of _____.



A glucose molecule is made up of _____ atoms of _____, _____ atoms of _____, and _____ atoms of _____.

Chemical Equations

A chemical equation uses _____ and _____ to describe a chemical reaction. The **starting materials** in a chemical reaction are _____. The **resulting substances** from a reaction are _____. The _____ are always placed on the left of the arrow, and the _____ on the right of the arrow.



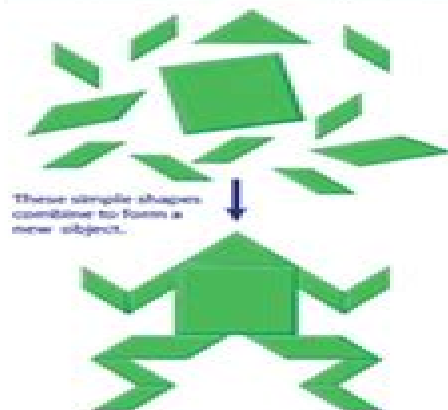
Key Vocabulary Terms

- atom
- chemical equation
- chemical formula
- chemical reaction
- compound
- decomposition reaction
- double replacement reaction
- element
- product
- reactant
- single replacement reaction
- synthesis reaction

Types of Chemical Reactions

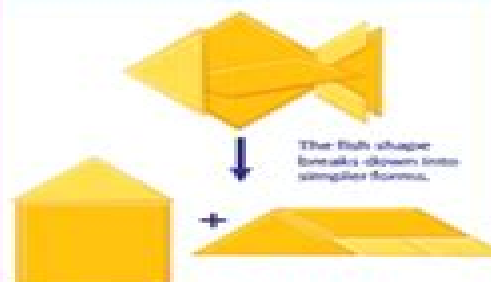
Synthesis Reaction

Describe a synthesis reaction:



Decomposition Reaction

Describe a decomposition reaction:



Replacement Reaction

Single Replacement

Describe a single replacement reaction:



Double Replacement

Describe a double replacement reaction:



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Chemical Reactions Guide

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A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the NewPath Learning text.

Chemical Reactions Guide:

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