

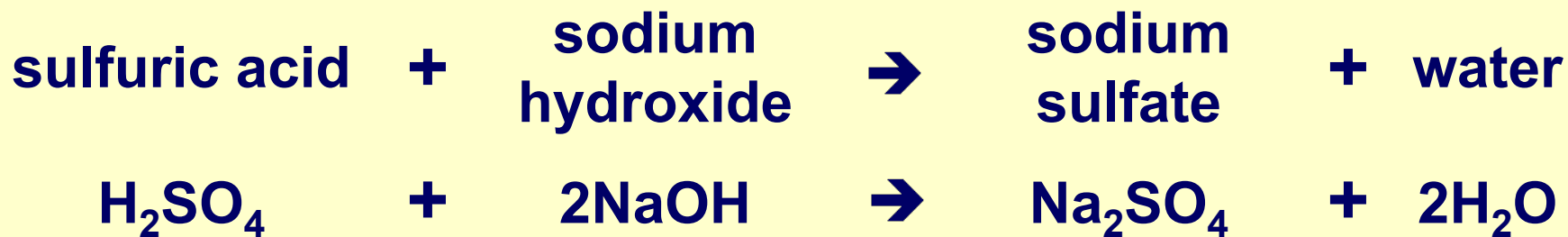
Balancing Equations



Balancing equations

When a chemical reaction occurs, it can be described by a symbol equation.

The balanced symbol equation for a chemical reaction shows the ratio of reactants and products involved. For example:



An 'unbalanced' equation can be balanced by multiplying the different atoms and molecules on each side by different amounts, so that they match.



Balancing equations

If you count the number of atoms of each type on each side of this equation, you will see that they do not match.



So, multiply the sodium atoms on the left by 2:

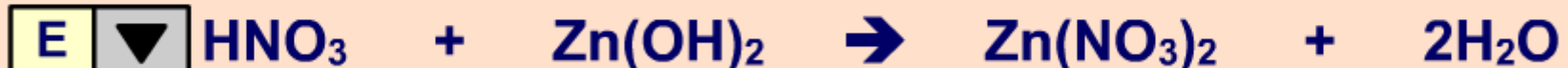
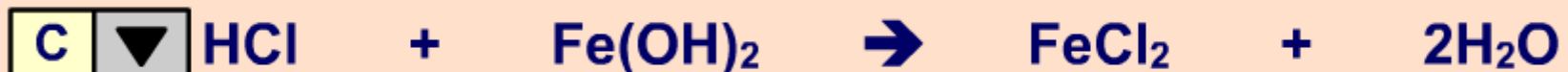


Now that the number of sodium atoms on each side is equal the number of hydrogen atoms on the left side has increased. So multiply the number of hydrogen atoms on the right by 2.



Balancing equations for making salts

Balance these equations for making salts



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C

solve

