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 A. Describe what "reactants" and "products" in a chemical equation mean.
 B. Explain the importance of knowing the difference between ...
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 ...BALANCING CHEMICAL EQUATIONS 1 Reaction Total Number of Molecules Reactant Side (Left) Product Side (Right) Make Ammonia 4 2 Separate Water 2 3 Combust Methane 3 3 Reaction Total Number of Atoms Reactant Side (Left) Product Side (Right) Make Ammonia 8 8 Separate Water 6 6 Combust Methane 9 9.
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 The equation editor is one way, displaying a smiley face when the chemical equation is balanced. II. A balance is another way, becoming level when the chemical equation is balanced. III. A bar graph is another way, displaying equally sized bars on opposite sides when the chemical equation is balanced. 2.
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 Develop your understanding: Open the Introduction screen, then explore to develop your own ideas about what it means to "balance a chemical equation". Explain your understanding: 1. Use this balanced reaction to show that you can write the equation that makes chemical sense. Explain how your symbols were derived.
 2.
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 Balance a chemical equation. Recognize that the number of atoms of each element is conserved in a chemical reaction. Describe the difference between coefficients and subscripts in a chemical equation. Translate from symbolic to molecular representations of matter. Version 1.01.
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 Start level 2 of the balancing equation game. Take turns in your group to balance the equations in the sim, using your strategies from Level 1, and adding new strategies as needed. Each person should be in charge of balancing at least one equation, asking for help from the group as needed. As a group, write down the equations as you solve them.
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 The first step to balance the equation is to write down the chemical formula of reactants that are listed on the left side of the chemical equation. After this, you can list down the products on the right hand side of the chemical equation. There is an arrow between the sides, signaling the direction the reaction is happening in.
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Develop your understanding: Open the Introduction screen, then explore to develop your own ideas about what it means to “balance a chemical equation”. Explain your understanding: 1. Use this balanced reaction to show that you can write the equation that makes chemical sense. Explain how your symbols were derived. 2.

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chemical formula of reactants that are listed on the left side of the chemical equation. After this, you can list down the products on the right hand side of the chemical equation. There is an arrow between the sides, signaling the direction the reaction is happening in.

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A balanced equation models a chemical reaction using the formulae of the reactants and products. It shows the number of units of each substance involved.

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