**8.5F**

1. A student drew the following model to describe a chemical reaction.

What is wrong with the model?

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**8.5F**

1. Identify the following reactions as either balanced or balanced.

 \_\_\_\_\_\_\_\_\_\_CO2 + H2O O2 + C6H12O6

 \_\_\_\_\_\_\_\_\_\_C3H8 + 5O2 3CO2 + 4H2O

 \_\_\_\_\_\_\_\_\_\_4CH4 + O2 2CO2 + H2O

 \_\_\_\_\_\_\_\_\_\_2P + 5O2 2P2 + 2P2O5

 \_\_\_\_\_\_\_\_\_\_CuO + H2 Cu + H2O

 \_\_\_\_\_\_\_\_\_\_BaCO2 BaO + CO2

**8.5F**

1. Use different colored Skittles to balance the following equation. Provide a color key noting what element is represented by each color.

 KClO3 KCl + O2

\*Materials: Skittles

**8.5F**

1. Explain why unbalanced equations must be balanced. Refer to the Law of Conservation of Matter in your answer.

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