Name	Period	Date

Lesson 8: How Does Alcohol Burn?

Activity 8.3

Purpose

In this activity we will construct a molecular model of the reaction we witnessed when alcohol is burned.

Instructions

- 9. Locate the page labeled "Parts for Constructing the Products"
- 10. Cut out each individual atom from the oxygen and alcohol molecules. You will glue these atoms to the page where it is labeled "Model of Products".
- 11. Join two oxygen atoms to a carbon atom to form as many carbon dioxide molecules as possible. Each one should look like this:

12. Join two hydrogen atoms to an oxygen atom to form as many water molecules as possible. Each

13. Use the model equation to help you construct a word equation.

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14. Use the word equation, model equation and the following formulas to create a **chemical equation**.

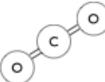
•	Oxygen	02
٠	Alcohol	CH ₃ CH ₂ OH
		00

Carbon Dioxide CO₂
Water H₂O

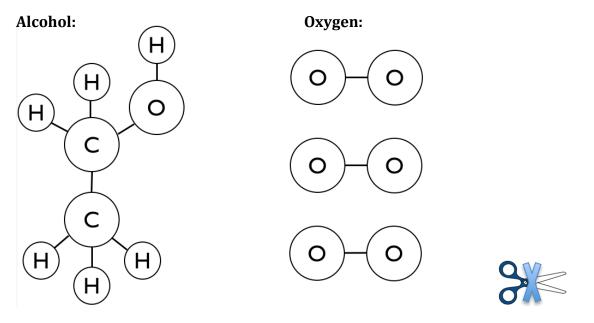
one should look like this:

Your Progress:		
•	Mastery	

- Proficient
- Developing
- Beginning



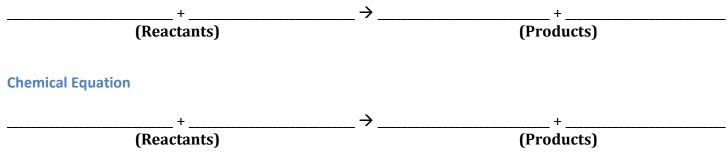
Model of Reactants



Do not cut the atoms out from this page.

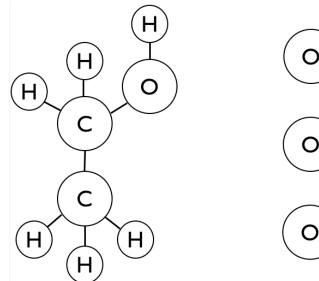
Model of Products

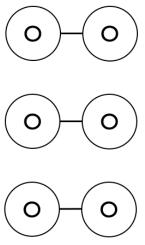




Parts for Constructing the Products

Cut apart these pieces according to the instructions and glue them back down on the previous page where it says "Model of Products."







Cut the atoms out from this page.