What’s the Fizz?

Prelab Question
What is a chemical reaction?

Materials
- one half of a lemon
- one disposable drinking cup
- chilled drinkable water
- measuring half teaspoons
- one half teaspoon of baking soda
- two packets of sugar
- one stirring stick
- paper towels
- goggles

Safety
- Alert the teacher if you have a food allergy.
- Always wear safety goggles when working in a lab setting.
- Dispose of all chemicals in the appropriate disposal container.

Procedure
1. Squeeze as much of the juice from the lemon as you can into the cup.
2. Add an estimated equal amount of water as lemon juice to the cup. Record your observations in the table below.
3. Add half a teaspoon of baking soda and stir the mixture. Record your observations in the table below.
4. Add one packet of sugar. Record your observations in the table below.
5. Enjoy a small taste of your mixture.

Observations
Record observations in the table below for specific procedure steps during the experiment:

<table>
<thead>
<tr>
<th>Step</th>
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<tbody>
<tr>
<td>Step 2</td>
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<td>Step 3</td>
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<td>Step 4</td>
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Conclusion
Write what you learned about a chemical reaction on a sticky note and place the note on the “Learned” column of the KWL chart.