Last Name, First Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_

**What the Fizz Pre-lab Notes**

**Purpose:** Students will decide which two reactants they should use and complete stoichiometric calculations to determine the amount of each reactant to produce the best tasting fizzy drink.

**Essential Questions:**

1. Summarize the history of soda.
2. What tastes do baking soda and citric acid add?
3. What is the name for trial 1 in the Kool Aid trials? (it’s either control or experimental) and why?

**Thinking Side Main Notes Side**

**A Fizzy History:**

**Citric Acid:**

Draw the molecular structure of citric acid

**Baking Soda:**

**(Sodium Bicarbonate)**

Draw the molecular structure of baking soda

**Trial 1:**

Plain Kool Aid 1.

2.

3.

**Trial 2:**

Kool Aid and Citric Acid 1.

2.

3.

4.

**Trial 3:**

Kool Aid and Baking Soda 1.

2.

3.

4.

**Summary** (To complete a summary, please answer the essential questions in complete sentences)

1. Summarize the history of soda.
2. What tastes do baking soda and citric acid add?
3. What is the name for trial 1 in the Kool Aid trials? (it’s either control or experimental) and why?

