

Science Notebook Layout **DON'T COPY UNDERLINED TEXT**

Mrs. Aguirre's Webpage: <http://www.quia.com/profiles/caguirre>

Chemical Reaction Analysis

<p>1. Bubbles</p> <p>Draw bubbling reaction and discuss if it is a new substance</p>	<p>2. Temperature Change</p> <p>Draw thermometer with temps. Drawing of bonds breaking (see pg. 204)</p>	<p>3. PH Change</p> <p>List the pH of the acetic acid and the products.</p> <p>$H^+ + OH^- \rightarrow H_2O$</p> <p>acid base (water is a new substance when acids are neutralized)</p>
---	---	---

In bottom half- Write a short paragraph summary of lab.

- Topic Sentence Answers Problem: Mixing Acetic Acid and Sodium Bicarbonate causes an _____ chemical reaction (endothermic or exothermic)
- Write at least 3 separate sentences with details to explain
- Final sentence should conclude or summarize your thoughts

Use page 203 to write definitions



Chemical Reaction?



Name: _____

Problem: Does mixing acetic acid and sodium bicarbonate result in a chemical reaction?

Information:

Define Reactant: _____

Define Product: _____

Hypothesis: Predict the answer to the problem. (Explain your reasoning using what you know about chemical changes.)

Data: (Observations: include temperature, smell, states of matter, visual observations)

<p>Observations of reactants:</p> <p>Vinegar: Temp.: _____</p> <p style="padding-left: 20px;">pH.: _____</p> <p>Other observations:</p>	<p>Observations during mixing:</p>	<p>Observations of products:</p> <p>Temp.: _____</p> <p style="padding-left: 20px;">pH.: _____</p> <p>Other observations:</p>
<p>Baking soda observations</p>		

Info for interpreting data:

pH < 7 = acid

pH > 7 = base

pH = 7 neutral