



# Chemis-tree Ornament!

## Materials:

- Acrylic paint
- Baking soda
- Dish soap
- Vinegar
- Pipettes
- Beakers (or plastic cups)
- Vinegar
- Large Tray (or something for overflow)
- Glitter (optional)
- Plastic ornaments with detachable tops

## Procedures:

- 1.Remove the top of the ornament
- 2.Place the ornament on top of the beaker and the beaker.
- 3.Set the beaker in the tray
- 4.Squeeze about a teaspoon of paint into the ornament
- 5.Add a tablespoon of baking soda
- 6.Add a drop of dish soap
  - 6a. Here you would add a little glitter
- 7.Dip your pipette into the vinegar and fill
- 8.Gently put the vinegar into the ornament
- 9.Continue to add vinegar until the bubbles start to come out of the top (approx. 4 pipettes full)
10. When the reactions slows down pour out the vinegar.
11. Turn the ornaments upside down in the beaker or cup to dry overnight.
12. When dry wipe the ornament clean and replace the top.
13. Enjoy your creation

## Additional Ideas:

Use permanent markers to write names or quotes on ornament.



## Observations:

Illustrate what you saw (Label and COLOR):

**Analyze Data:** (Explain what you saw. Provide EVIDENCE of a chemical reaction [Please, Excuse, my Coughs, Burps, and Sneezes])

## Research Questions:

What is the chemical name for vinegar?

What is the chemical name for baking soda?

What are the reactants in the chemical reaction between baking soda and vinegar?

What are the products in the chemical reaction between baking soda and vinegar?

Below write the chemical equation between baking soda and vinegar. Put a box around the reactants and circle around the products.



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