



Name: \_\_\_\_\_

### 3 States of Matter-Balloon Activity

**Prediction:** What do you think will happen to the balloon when the baking soda mixes with the vinegar?

My prediction is:

**Steps:**

- Place two tablespoons of baking soda in a balloon.
- Place one inch of vinegar of vinegar in an empty water bottle.
- Place the balloon over the opening of the water bottle.
- Jiggle the baking soda out of the balloon into the vinegar.
- Observe what happens.

I observed:

This is a drawing of what I observed:

**Questions:**

1. The state of matter of vinegar is: \_\_\_\_\_.
2. The state of matter of baking soda is: \_\_\_\_\_.
3. The matter that filled the balloon is a \_\_\_\_\_.
4. Where do you think this new state of matter came from? \_\_\_\_\_.
5. Hypothesize what kind of gas is now in the balloon. \_\_\_\_\_.