

**1.5 Physical Properties (mass)**

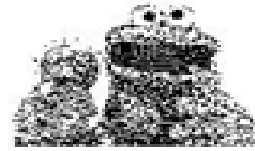
Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. If you broke a cookie into little pieces, would it weigh the same, more, or less than it was all together?

**Prediction:** \_\_\_\_\_

**Explain your thinking.**



**Materials:** cookie, paper towel, balance scale, water, pipette, Styrofoam cup, safety goggles

**Procedure:**

1. Put on your safety goggles.
2. Carefully put 1 cookie on one side of the scale in the cup. *Make sure it is flat.*
3. Slowly add water *to the other cup* with the pipette until it is "balanced". (*Remove water if needed.*)
4. Draw a diagram of your experiment. Label the **cookie** and the **water**.

5. Remove the cup with the cookie in it and place it on a paper towel.
6. Crumble the cookie into little pieces. If any crumbles get on the paper towel, be sure to put them in the cup. *ALL of the cookie needs to be in the cup!*
7. Place the cup of cookie crumbs back on the scale.
8. Observe. Let it balance.
9. Draw and label a diagram of your experiment *now*. Describe what happened.

Diagram and labels.

Describe what happened.