

## 0.1: Bread Mold Investigation Set Up Worksheet

Over the next week you will grow decomposers in each of your Petri dishes. You will keep track of the mass change of your dishes as the decomposers grow and make observations of decomposer growth. On the last day, you will observe the color of BTB in a sealed chamber with the bread and mold. But first we need to provide some food and water for the decomposers.

You will need (for each person):

- A slice of bread
- A Petri dish
- A label and marker to label your Petri dish

You will need (for each group)

- A spray bottle with water
- A roll of tape
- A digital balance

Follow the procedures below to set up your investigation. Put a check in the box when each step has been completed.

### A. Prepare your Petri dish.

- Obtain one Petri dish and label the lid with your name and your group name.
- Take one slice of bread and use the bottom of the Petri dish like a cookie cutter to extract a round piece of bread that fills the bottom of the Petri dish.
- Spray the bread with water so that it is damp for the investigation. Place the labeled lid on top of the damp bread.
- Tape your Petri dish closed.

### B. Record the mass of your Petri dish and bread for you and your group.

- Measure the mass of your sealed dish (with bread inside) using the digital balance. Turn on your balance so it reads 0.00 g. Then place the entire Petri dish with the lid onto the scale.
- Record the start mass of your bread and Petri dish here:

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

Mass of my bread and Petri dish: \_\_\_\_\_g

- Add the mass of your Petri dish and bread to your group members' results. Record the **total mass** of **all** Petri dishes and bread in your group here:

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

Group Number/Name: \_\_\_\_\_

Total mass of my group's bread and Petri dish: \_\_\_\_\_g