Name _____ Teacher _____ Date _____

Activity 3.2: Observing Soda Water Fizzing Worksheet

Use this worksheet to complete the Soda Water Fizzing investigation and to record your observations, measurements, and class results.

A. Steps in the investigation: *Check the box as you complete each step.*

1. □ Add soda water to an open Petri dish.
2. □ Turn on a digital scale so that it reads "0" g. Place the Petri dish with soda water on the scale. Record the mass of the soda water and Petri dish in Part C.
3. □ Fill another Petri dish with blue BTB. Record the time and color of the BTB in Part C.
4. □ Place the Petri dish with BTB next to the Petri dish with soda water in your container and close the container.
5. □ After 20 minutes, observe the color of the BTB. Record this in Part C.
6. □ Open the lid of the container and remove the Petri dish with the soda water. Place the Petri dish on the digital scale and record the mass in Part C.

B. Observations during the investigation: *Record your macroscopic-scale observations below. Use drawings and/or words.*

C. Measurements during the investigation: *Record your measurements in the table.*

Measurements Before	***Measurements After***
Mass of Petri dish with soda water before Time: _____ Mass: _____ g	**Mass of Petri dish with soda water after** Time: _____ Mass: _____ g *Change in mass:* *g*
Color of BTB before Time: _____ Color of BTB: _____	**Color of BTB after** Time: _____ Color of BTB: _____ *Change in color:*

D. Results for the whole class: *Make notes about how the observations and measurements of other groups compared to yours. Describe patterns in your class data.*

1. Changes in mass of the Petri dish with soda water:

2. Changes in color of BTB: