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	Activity 4.2: Observing Ethanol Burning e this worksheet to complete the ethanol burning investigation and to record your servations, measurements, and class results.
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Α.	Steps in the investigation: Check the box as you complete each step.
1.	□ Add ethanol to an open glass Petri dish.
2.	☐ Turn on a digital scale so that it reads "0" g. Place the Petri dish with ethanol on the scale. Record the mass of the ethanol and Petri dish in Part C.
3.	☐ Fill another Petri dish with fresh 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 ethanol. Be sure the large container fits on top of the two dishes.
5.	□ Light the ethanol with the lighter. Then, immediately put the large container on top of both the glass Petri dish with burning ethanol and the Petri dish of BTB. Observe: the flame will go out quickly inside the container
6.	$\hfill \Box$ After about 20 minutes, remove the container. Observe the color of the BTB. Record this in Part C.
7.	□ Place the Petri dish with ethanol 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 ethanol before Mass of Petri dish with ethanol after Time: Time: Mass: g Mass: g Change in mass: Color of BTB before Color of BTB after Time: Time: Color of Color of BTB: 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 ethanol: 2. Changes in color of BTB: