**The Bottle and The Balloon**

**Analysis Questions**  
1. Compare your observations to your predictions.  
          A. Were your predictions correct?

          B. Did anything surprise you during the experiment? If so describe it.

2. What do you think caused the balloon to expand? What’s going on outside the balloon that’s causing this to happen?

3. Why do you think the balloon was sucked into the bottle? What’s going on outside the balloon that’s causing this to happen?

4. What did you observe inside the bottle as it cooled?

5. What’s happening to particles inside the balloon? Are they moving? Were they moving?

6. How did this experiment demonstrate water changing from liquid to gas?

7. What would have happened if the bottle were placed in the freezer?