Student Sheet

name____

Title: Water Cycle in a Flask

Purpose: To see how water changes as it travels through the water cycle.

Prediction: How will the water change as it evaporates and condenses?

Materials: ring stand, clamp, 1 test tube, 1 flask stoppers, glass and vinyl tubing, bucket, alcohol burner, goggles, large beaker

Procedure:

- 1 Set up apparatus like the drawing below.
- 2. Add 30 ml of "dirty" water to the heating flask.
- 3. Light the burner and heat the flask.
- 4. Write down observations as you go.
- 5. Heat until half the liquid is gone.
- 6. Look at the cooling tube. Describe the results.



Data

minute	observations
Start	
2	
4	
6	
8	
10	
12	
14	

Analysis:

- 1. What does the water do as it is heated?
- 2. Where does the water go?
- 3. What part of the water cycle does the heated flask represent?
- 4. What does the water do as it travels through the vinyl tube and it hits the cool tube?
- 5. What does the cool tube represent in the water cycle?
- 6. How did the water change as it traveled though the water cycle?
- 7. Where was water vapor in this activity?
- 8. When does water vapor turn into liquid water?

Conclusion: 2 things you learned: