

**Objectives:**

- To observe phase change.

**Materials:**

- 125 mL Erlenmeyer flask
- Stopper
- Water
- Heat source
- Cool water

**Procedure:**

1. Fill the flask about 1/3 full of water.
  2. Put the flask on the heat source and bring the water to a boil.
  3. After the water has been boiling enough to fill the top of the flask with steam, put the stopper on the flask (it will not stay because the steam is escaping).
  4. Remove the flask from the heat (with the stopper still on).
  5. When the water quits boiling, put the flask in the cool water. Watch the water in the flask.
  6. What happens to the water in the flask? \_\_\_\_\_
  7. How could that happen when the water is cooler? \_\_\_\_\_
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