

Date: \_\_\_\_\_

Name: \_\_\_\_\_

## Heating and Cooling Fluids

1. Place a balloon over the mouth of a pop bottle.
2. As a group, predict what will happen to the balloon when the bottle is placed in the container of hot water.

---

---

---

---

3. Test your predictions. Place the bottle in the container of hot water. Draw a labelled diagram and record your observations.

---

---

---

---

---

---

---

---

---

---

---

---

---

4. Predict what will happen when the bottle is placed in the container of ice water.

---

---

---

5. Test your predictions. Place the bottle in the container of ice water. Draw a labelled diagram and record your observations.

A large rectangular box for drawing a diagram and recording observations. The box is divided into two sections by a horizontal line. The top section is empty. The bottom section contains ten horizontal lines for writing.

6. What happens to air when it is heated?

---

---

---

7. What happens to air when it is cooled?

---

---

---

---

---