

## 6.7 Inflating Balloon Activity

You have learned that heat causes solids, liquids and gases to expand (get bigger) and cold causes solids, liquids and gases to contract (get smaller). Gases expand a lot when heated and contract a lot when cooled. Try the following experiment.

First read the method and **predict** what will happen: \_\_\_\_\_

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List suitable safety precautions: \_\_\_\_\_

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### **Method:**

1. Fill the bottle with hot water.
2. Fill the basin with ice-cold water.
3. Let both sit for three minutes.
4. Empty out the hot water from the bottle and quickly stretch a balloon over the mouth of the bottle.
5. Set the bottle in the basin of ice-cold water.

**Result:** \_\_\_\_\_

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### **Diagram:**

**Explanation:** \_\_\_\_\_

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