

**SECTION****1****Enrichment**

## Observing the Effects of Air Pressure

Temperature affects the density of air. The following experiment demonstrates the power of air pressure.

**Materials**

glass bottle

sheet of paper

long match or paper drinking straw and match

hard-boiled egg, peeled

**Procedure**

1. Be sure that the opening at the top of the glass bottle is slightly smaller than the diameter of the egg.
2. Crumple the sheet of paper into a ball and drop it into the bottle.
3. Light the end of the paper drinking straw or the long match. Use to ignite the paper in the bottle. Be careful!
4. Immediately after the paper burns out, set the peeled hard-boiled egg over the opening at the top of the bottle with the pointed end of the egg down.

**Analyze**

1. What happened to the egg?

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2. What caused the egg to do this?

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**Conclude and Apply**

3. How can you get the egg out?

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