

**Crushed Can (gas laws)**

**Chemical available:** None

**Materials for demonstration provided in kit:** Dish for ice water, tongs, bottle for water carrying, 10mL graduated cylinder

**Materials used for multiple demos to add in**: Portable Bunsen burner (or hot plate)

**Materials you must grab immediately before:** Water, ice

**Procedure for in class demo**:

* Fill dish with cold water. Use ice to keep cold if you are going to do this awhile after starting the experiment.
* Put about 10-15 mL of water in the can
* Heat the can over the Bunsen burner or hot plate. (Bunsen burner is a bit faster, but the hot plate allows for passive heating while discussing concepts).
* If using hot plate, heat about 1 minute after you hear/see the bubbles
* Using the tongs pick up the can and flip it quickly upside down into the cold/ice water.
* The can will crush.

**Waste:**  Recycle can.