



## COLLAPSING SODA CAN

### Ingredients

- Empty Soda Can
- Hot Plate
- Bowl
- Water
- Ice
- Tongs

### Science Terms

- **Pressure** – The force produced by pushing or pressing on something.
- **Air** - Air or Earth's atmosphere is the layer of gases surrounding the planet Earth.

### Instructions

STEP 1: Fill the bowl with ice and water.

STEP 2: Place 1 tablespoon of water into the empty soda can. Turn the hot plate on high and place the soda can on the hot plate.

STEP 3: Once the cloud of condensed vapor appears above the can use the tongs and grasp the can. QUICKLY flip the can and dip the can into the cold water.

### Explanation

When the can was turned upside down and submerged into the water, the water inside the can condenses and the pressure is reduced. Now that the air pressure on the outside is stronger, the can is crushed.



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