



# Soda Can

## CRUSH

### **PROCEDURE:**

1. Fill the tray with tapwater approximately one inch from the top.
2. Fill the aluminum can with about one inch of tap water. Place the can on the hot plate and bring to a boil.
3. When steam is vigorously escaping from the opening but before the water has completely evaporated, remove the can from the hot plate and invert it- opening side down- into the tray of water.

### **TASK:**

1. Prior to performing the procedure outlined above, hypothesize with your team members on what you think will happen. Using your knowledge of Kinetic-Molecular Theory and the behavior of gases, write a description of what you think will occur.
  2. After writing the description, draw and label a diagram which models your explanation.
  3. Conduct the procedure.
  4. Move around the room and discuss with other stations about their explanations and models.
  5. Write a revised explanation of what you think happened.
  6. Create a revised model of what you think happened.
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