7.0 Props to be used for Thermodynamics

**Subjects:** Heat capacity, heat transfer, phase changes, delta H, internal energy, endothermic vs exothermic, work, calorimetry...

**Description:** A number of items used to demonstrate principles of introductory thermodynamics

**Materials:**
A: 250 ml beaker and 1000 ml beaker (fill with water)
   Chunk of copper
   600 ml beaker (fill with water)
   burner*, stand* matches
   chunk of iron
   500 ml beaker (fill with ice)

B: Salt
   600ml beaker
   parafilm
   thermos,
   bunsen burner
   rubber band

C: thermos
   Balloon
   Bomb calorimeter with container
   600 ml beaker
   parafilm
   coffee cup calorimeter
   Cheerios

*Shared items. Burners are located in the top drawer opposite the shelves. The bomb calorimeter is located on top of the flammables storage cabinet.

**Discussion:** None

**Safety:** None

**Disposal:** None

**References:**
1. Prof. Botch