

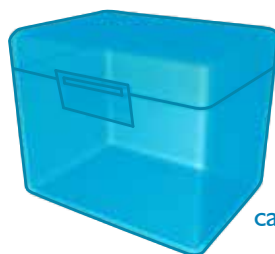
Heat Capacity Bricks

Setup Instructions

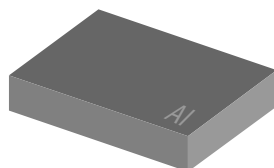
Parts Checklist

The following items are provided with the Heat Capacity Bricks:

- Aluminum Sample
- Zinc Sample
- Mystery Metal Sample
- Carrying Case for Samples

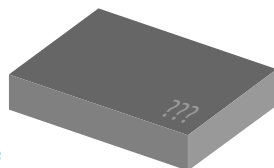
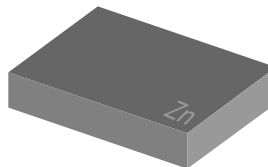


carrying case



aluminum sample

zinc sample



mystery metal sample

Things you will also need:

- Temperature Sensor
- DataCollector
- 3 Styrofoam Cups
- Electronic Scale
- Safety Glasses
- Safety Gloves
- Lab Apron
- Tongs
- Water - See *Investigation for Temperature Needed*

Tip for Best Results

In general, the better the insulation of the experiment apparatus, the more accurate the results:

- Try using thick styrofoam cups. If you cannot find any, try stacking two or three together.
- You can increase accuracy even further by covering the cups with a lid. Even 0.5° of heat loss can affect the outcome of your calculations.



Caution

This experiment deals with hot water and hot objects. Please use safety glasses, aprons, gloves and tongs when performing this experiment.

Other Activities

For activities, refer to the *Physics, A First Course Investigations* manual or *Teacher's Guide*.

Visit us at cposcience.com. If you need technical assistance, please call 1-800-932-5227