

Heat Experiment

Lesson Title: Converting Energy

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Name: _____

Materials

- Beakers or glass baking cups (2)
- Alcohol thermometers
- Heat source: votive candles, small hot plates, or electric immersion heaters



Procedure

1. As a group, determine how much water to put in each beaker. Record this amount in the space provided on your student sheet.
2. Place each beaker over a heating source, with each source set at the same temperature.
3. Measure the temperature of the water in each beaker by using an alcohol thermometer. Record the start temperature.
4. Heat each beaker for the same amount of time. Record that time on your student sheet. Then, record the final temperature for each beaker of water.
5. Once you have completed this experiment, try varying your experiment by trying different temperatures, different amounts of water, etc.

	Beaker One	Beaker Two
Amount of Water		
Heating Time		
Start Temperature		
End Temperature		