Name: Leo Chai

Grade: 11

Preferred Mentor: Mr. Lebourveau­­

Date: 2018/10/30

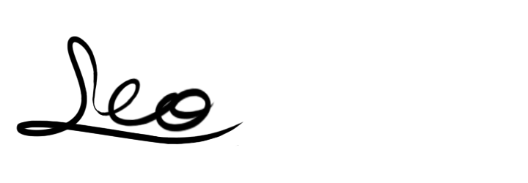
**Subject Area**: Physics

**Topic:** Electricity and storage capacity

**Research Question**: Investigation of the effects of temperature on the capacity of a rechargeable battery

**Experiment description:** Prepare water, plastic bag, battery, power analyzer and a load.

* + The water will be in numerous different temperatures, and the battery can just be a normal phone battery or any other rechargeable battery
  + The battery will be placed in the plastic bag and then in the different temperature of water
  + The battery will be charging and releasing electricity in the water, with seals preventing short circuiting
  + The power analyzer will measure the watt-hours that the battery releases
  + Examine results and consider all out lie-ers

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