Unit 2: Lab 2

Construction of an Elementary Battery

Purpose: To demonstrate chemical action as one of the six sources of electrical energy.

Hypothesis: (Fill in what you think will happen.)

Materials:
Two different metals: e.g. a galvanized nail (galvanization consists of a zinc coating) and a copper penny

a multimeter
two alligator wires
a fresh lemon.

Procedure:
Insert the penny and the nail into the lemon, a few cm apart. Using the alligator wires, connect the nail and penny to either lead of the meter.

Data: (What are your observations?)

Conclusion: (Was your hypothesis proven? Why, or why not?)

Place your hypothesis, data, and conclusion in the Dropbox.

Evaluation:

<table>
<thead>
<tr>
<th>Evaluation Criteria</th>
<th>Marks</th>
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</thead>
<tbody>
<tr>
<td>Observations</td>
<td>/5 points</td>
</tr>
<tr>
<td>Conclusion</td>
<td>/5 points</td>
</tr>
<tr>
<td>TOTAL</td>
<td>/10 Point</td>
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</tbody>
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If you do not have access to a multimeter or wires, let your instructor know!