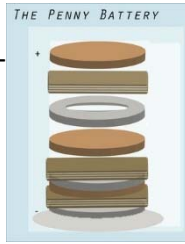


Build a Penny Battery



Name: _____

You will need:

- Up to 7 pennies & 7 washers
- Aluminum Foil and Electrical Tape
- Up to 7 squares of paper/cardboard soaked in salt water, vinegar, lemon juice or soda.

What to do:

1. Start with one washer on the table.
2. Blot the cardboard dry and stack on top of washer.
3. Stack penny on top of the cardboard. This will create one "cell".
4. Repeat the process until you have run out of materials
5. Place a rectangle of aluminum foil on the top and bottom of the stack. These will be the battery terminals.
6. Use some electrical tape to hold your pile together, making sure none of the cardboard is touching (trim if necessary).

The Experiment:

How many cells did you use? _____

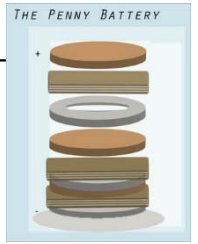
Which Acid did you use? _____

Did you use cardboard or paper in between the metal? (circle one)

What was the final voltage of your battery? _____

Turn this sheet into your Akela when you're done.

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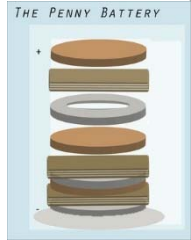
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