Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Batteries: All Charged Up**

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



A Class Full of Experts

**Directions:** Because there are so many different battery types, your job is to become a class expert on one specific type of battery. Generally, batteries work from the same principal as we learned from the lemon battery experiment. First, we will delegate the type of battery that you will research. Then you will use the Internet to research information to complete the battery information chart. You need to complete a citation for each website that you reference for information. You may use the site http://citationmachine.net/ and type them on MS Word. The citation machine is located on the far left column of the page. Be sure to use APA citations. After 20 minutes you will present the information that you researched.



Paper Battery

Lead Sulfuric Acid

Alkaline / Zinc Carbon (non-rechargeable)

Battery Room

Nickel Cadmium (NiCd)

Penny Battery

Nickel Hydrogen (NIHZ)

Button Cell

Nickel Metal Hydride (NiMH)

Earth Battery

Lithium Ion (Li-ion)

Zinc – Air Battery

Lithium ion Polymer (Li-ion Polymer)

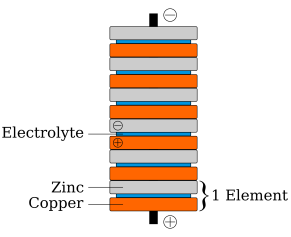
Frog Battery

Nanowire Battery

Molten Salt Battery



**REMEMBER**

1.  Research your battery type from various sources
2. Complete an APA citation for each website that you use
3. Review your information
4. As a specialized expert, present your information for the class

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Batteries: All Charged Up**

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Type of Battery:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What makes this type of battery function?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What is the battery’s best application?**

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**What is its life cycle?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**What is its average charging time? If you can not find this information, please write and interesting fact about it.**

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**PRICE – *Google It!***

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DISADVANTAGES**

**ADVANTAGES**

You can put this on a separate piece of paper. Please have four for each section.

**Does it have a “memory”? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What are its best charging practices?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Attach the Works Cited**

<http://citationmachine.net/>

<http://www.youtube.com/watch?v=tr5ZB1eFhwc>

<http://www.youtube.com/watch?v=nzgDffMcsUU>

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