

Name: \_\_\_\_\_  
Blk: \_\_\_ Date: \_\_\_\_\_

## Science 9

### 8.1 Electric Potential Energy and Voltage

Electrochemical cells convert \_\_\_\_\_ energy into \_\_\_\_\_ energy. Connecting cells together forms \_\_\_\_\_.

The ends of batteries are \_\_\_\_\_ – connecting to them can allow electrons to flow from the battery through a device that converts electric energy into different forms.

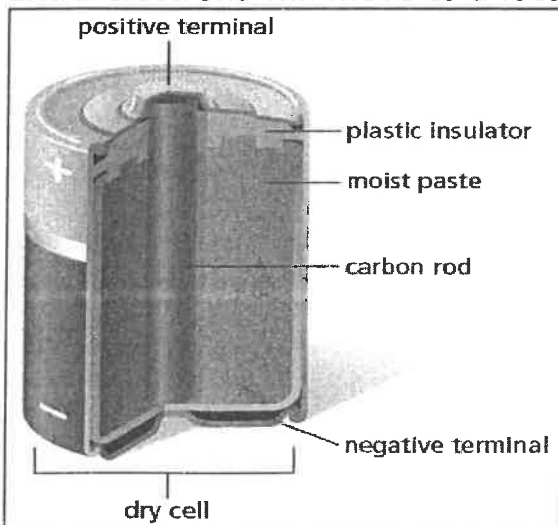


#### Electric Potential Energy

Electric energy can do \_\_\_\_\_.  
Electric energy that is stored is \_\_\_\_\_ energy.  
When electric energy is moving it is \_\_\_\_\_ energy.

#### Electric Potential Difference

The amount of electric potential energy per coulomb of charge is called the \_\_\_\_\_ or \_\_\_\_\_.  
This can be measured with a \_\_\_\_\_.  
Extra electrons will move to a location where there is \_\_\_\_\_ of them

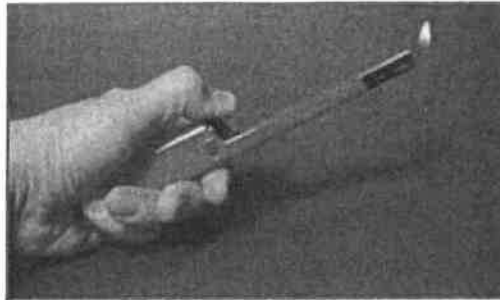
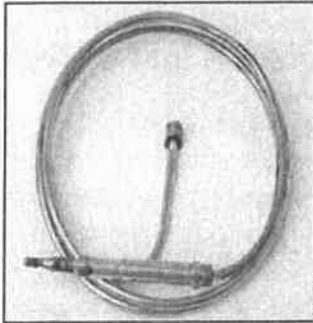


### Producing Voltage

Electrodes in an \_\_\_\_\_ chemically react to produce electrons and relatively difference charges on each \_\_\_\_\_, by doing so this creates a \_\_\_\_\_.

### Source of Electricity:

What do sources of electrical energy do these pictures represent? Use page 274 to fill in the blanks.



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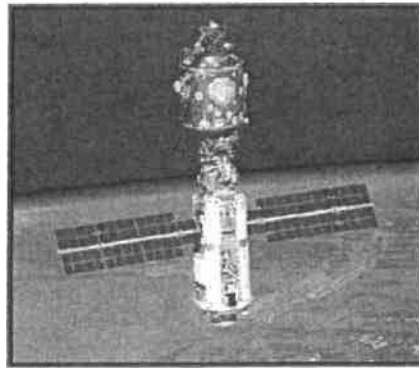
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