**Electrical Energy**

Energy is the ability to do \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

We can store electrical energy with:

Energy that is stored is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A battery, also known as an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, uses the energy of **chemical** **reactions** to push electrons through conductors that are connected together.

Batteries come in two types:

A flashlight battery has two **terminals** called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in a moist paste called an **electrolyte** that conducts electricity. Electrons build up at one terminal, making it negatively charged. At the same time, electrons withdraw from the other terminal, leaving it positively charged. Once the charges are separated, the charges have the ability to do work on something else, such as making a bulb light up.



Batteries are often rated by their \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Another term for voltage is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The units for measuring voltage are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Voltage is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **per** **coulomb** of charge between two points.