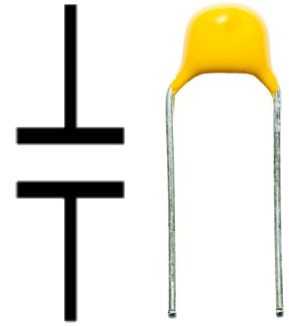
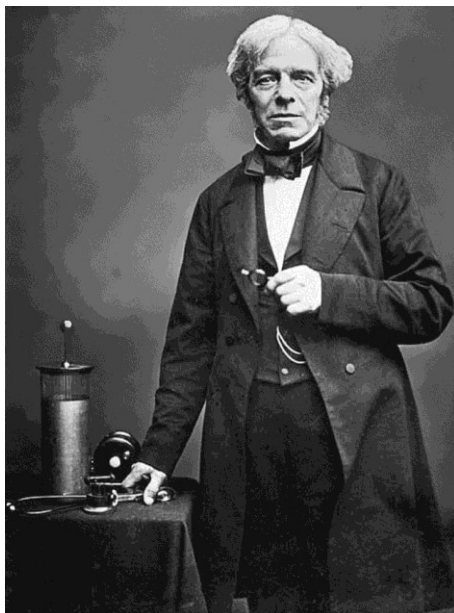
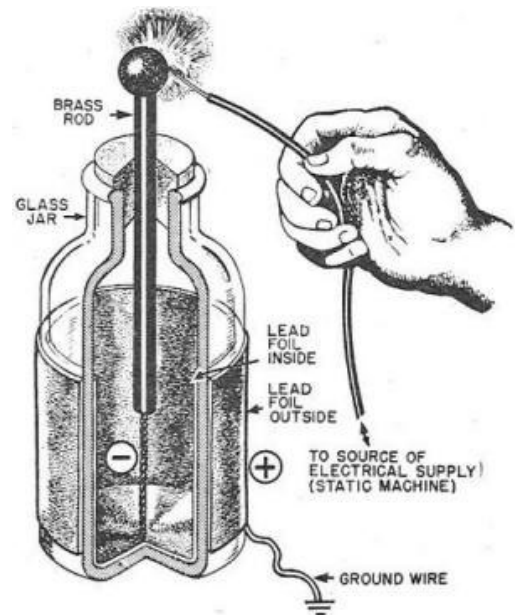


A **capacitor** is a device that stores electrical energy. Energy is drawn from a battery, stored inside the capacitor, and released in a fraction of a second!



Capacitors are often used in circuits to block direct current while allowing alternating current to pass. They can also be used to smooth power supply outputs and filter frequency signals.

The first capacitors, called **Leyden Jars**, were made with glass jars, salt water, and metal foil! It was used in many early experiments with electricity.



Capacitance is measured in units called **farads**, named after the scientist Michael Faraday.

