If at any time one of your components gets **hot**, immediately disconnect your battery, consider the probable cause, and then discuss the issues and corrective action with one of the student instructors.

1. Draw a circle around the correct circuit symbol for a *capacitor*.

 

2. What does a *capacitor* store?

Michael Faraday 1791-1867

3. What is the unit of measure of *capacitance*?

4. Identify this Greek letter, *μ*?

5. What is the **size** of the capacitor in your kit (include the units)?



6. What are the **two** ways you can tell the electrolytic capacitor in your kit is polarized?

 a)

 b)

7. In the table below, identify whether the arranagement of the components depicted are in *series* or in *parallel* (Circle one for each)

|  |  |
| --- | --- |
| **Series or Parallel?** | **Series or Parallel?** |
| **Series or Parallel?** | **Series or Parallel?** |
| **Series or Parallel?** | **Series or Parallel?** |