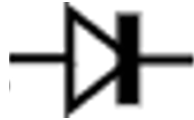


Multimedia Multimeter

In this activity, you will use the material you have learned about series and parallel circuit connections, as well as your knowledge of how a multimeter works.

Schematic Symbols

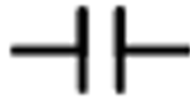
Diode



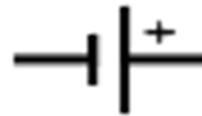
Resistor



Capacitor



DC Power



Inductor



Activity: Line Test

Draw and label the above schematic symbols with your materials – each symbol on a half sheet of paper. Measure the resistance and measure the length (approximate if curvy lines) of each conductive line you draw. Log at least ten measurements of data in the table. If the material on your drawing is not conductive, you do not need to measure the resistance or length of the line.

Bonus:

Calculate the average conductivity of each material per 1 cm.