

Online Experiment - Ohm's Law

Line 1: Name of the experiment? (Ohm's Law)

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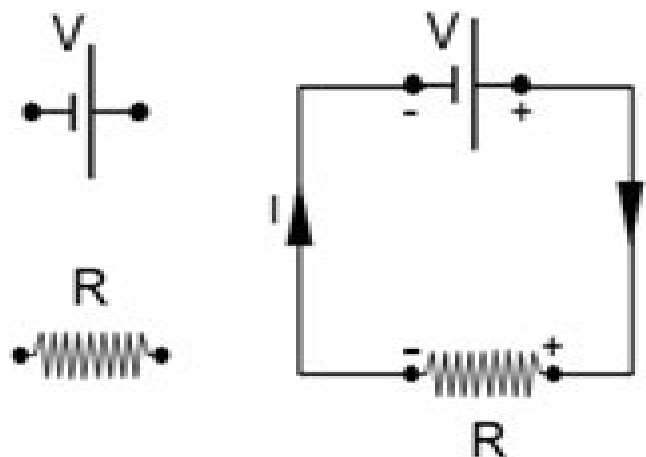
Line 4: Section? (two digits code)

Line 5: Purpose of the experiment? (find the purpose after reading the theory and procedure)

Theory

In this experiment we will learn about the fundamental elements of electrical circuits namely power supplies and resistors.

The electrical circuits are driven by the power supplies that in general come in two types: DC and AC. AC power supplies generate an alternating periodic voltage across their terminals like the power outlets in your room that are connected to the city circuit. We will work with AC power supplies later. In this experiment and in many following experiments we will use DC power supplies. An ideal DC power supply maintains a constant voltage (V) between its terminals regardless of the direction and strength of the current running through it. A simple battery that we use in our daily lives is a good example of a DC power supply. In circuit diagrams DC power supplies are shown with two parallel lines one longer than the other (as shown in the figure >>>). The longer line represents the higher voltage terminal respectively (also called positive terminal) and so the shorter one is the lower voltage terminal (the negative terminal). The batteries create this voltage difference through the chemical



Ohms Law Experiment Report

Albert A Gayle



Ohms Law Experiment Report:

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