

Internal Resistance Lab

In this lab, your goal is to compare the internal resistance of three different 9V batteries. The three batteries you will test are: 1) A new, major brand, 2) A new, store brand, and 3) A used (roughly 50%) major brand. Make predictions about the results before you begin. Then, using a voltmeter, ammeter, a variable resistor, and your physics knowledge, set up an experiment to test the internal resistance of each battery. Your lab write up should include the data you collected, a graphical analysis of that data, and a discussion on the differences between these batteries.