

Measuring - Voltage

*****When using the equipment, make sure you have metal-to-metal contact throughout your set-up or else it will not work.*****

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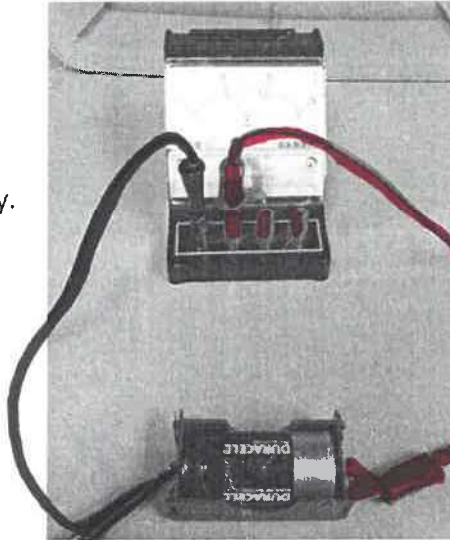
When measuring the voltage across an electrochemical cell or battery, we use a voltmeter. Set up your equipment as per the diagram below.

Black wire is connected to the negative terminal of the battery.

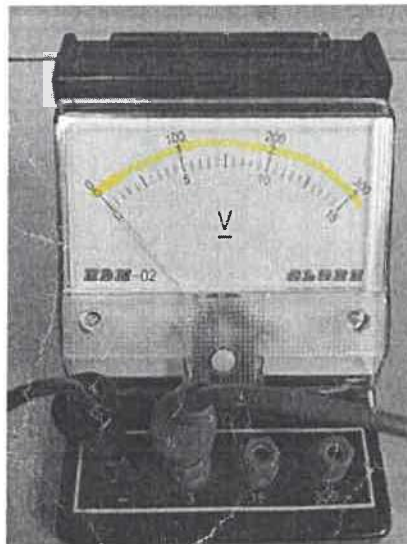
Red wire is connected to the positive terminal of the battery.

Connect the other end of the black wire to the metal part of the battery casing.

Connect the other end of the red wire to the metal part of the battery casing.



To read the scale properly for this set-up, you must look at the **scale that starts at "0" and ends at "3"**. With your partners, figure out the value of each of the black lines on the scale to come up with an accurate voltage reading of the battery. Write your answer in your booklet.



When you are finished getting your measurement, dismantle the circuit.