H

Higher Assignment  
Guide Sheet A: EMF and r



**A**

**Instructions:**

* Use the voltmeter to measure the e.m.f. of the cell.
* Connect the apparatus as shown in the circuit diagram.
* Set the variable resistor to its maximum setting.
* Record the readings on the ammeter and voltmeter.
* Adjust the variable resistor and take a range of readings.
* For each pair of readings determine the lost volts.
* Use an appropriate format to determine the internal resistance of the cell