

Using the Digital Multi-Meter

Name: _____ Date: _____ Period: ____

What does the Digital Multi-Meter measure?

_____ is the force that pushes electrons through a conductor. Which settings on the Digital Multi-Meter (DMM) would you use to measure this force? _____.

_____ is the opposition to the flow of electrons through a circuit. Which settings on the Digital Multi-Meter (DMM) would you use to measure this opposition? _____.

_____ is the volume of electrons or current flowing through a circuit. Which settings on the Digital Multi-Meter (DMM) would you use to measure this current flow? _____.

Which scales: Ask instructor for a DMM and look at the settings available on the front of the meter. Determine the scale you would use to measure each of the following:

	Expected reading (Google it)	Scale on DMM
Modern car battery		
Old car battery (pre 1960s)		
9 volt battery		
Fuse (out of car)		
Fuse (in the car)		
Standard wall outlet		
Automotive light bulb (out of car)		
Automotive light bulb (in the car)		
D Cell battery		
Starter motor (out of car)		
High current wall outlet (Wheel balancer)		
AA battery		
Hearing-aid battery		
167K Ohm resistor		
1.9M Ohm resistor		
Heater fan ballast resistor (see All-Data)		
Toggle switch (out of car)		
Neon sign transformer (plugged-in high output side)		
AAA Battery		