

Resistance and Voltage Measurements Out-of-Circuit Measurements

Use the multimeter to measure the resistance in Ohms.

NO.	OBJECT	RESISTANCE IN OHMS	COMMENTS
1	air		
2	probes together		
3	resistance of one bulb		
4	resistance of two bulbs in series		
5	salt water		
6	from your thumb to little finger		
7	one side of your tongue to the other		
---	RESISTOR BAND (3 COLORS)	THEORETICAL VALUE	MEASURED VALUE (OHMS)
8			
9			
10			

Use the multimeter to measure voltages of batteries.

NO.	OBJECT	POTENTIAL (VOLTS)
1	AAA cell	
2	D cell	
3	transistor battery	
4	two D cells in series	
5	lantern battery	
6	D cell	
7	hand crank generator	