

**Characteristics of a carbon resistor using a variable resistor**  
**Results table**

Potential difference across resistor / V	Current through resistor / A
4.0	
3.5	
3.0	
2.5	
2.0	
1.5	
1.0	
0.5	
-0.5	
-1.0	
-1.5	
-2.0	
-2.5	
-3.0	
-3.5	
-4.0	