Resistance



Plan

Without turning over (!) write a step by step plan for measuring the resistance of a wire.





Calculating the resistance at different lengths of wire By calculating the resistance at different points on the wire, you will be able to see how resistance changes as the length of the wore changes.

Length of wire (m)	Resistance (Ω)
0.1	2
0.2	3
0.3	4
0.4	6
0.5	9

As the length of the wire	
	_ the resistance
of the wire _	•
This change is not linear be-	
cause as the current increas-	
es the wire g	ets
and this affect	cts the

Complete this sketch graph