Title: To set up a simple electric circuit and use appropriate instruments to measure current, potential difference (voltage) and resistance, and establish the relationship between them (OP50)

Student Name: Other students in Group:
Preparation and planning Apparatus/resources needed
What am I going to vary in the experiment (the independent variable)?
What do I expect will vary with the above (the dependent variable)?
What <i>else</i> might change as I adjust this variable (think of light bulb)? What I am going to control (keep constant/not allow change) in the experiment?
Procedure
Labelled Diagram – To investigate how the current flowing in a conductor changes with the voltage applied across it.
Outline of method

Safety Precaut	tions taken				
Data, Results a	and Conclusions				
	Voltage (V)/volts	Current (1)/amps	V/I	Resistance (R)/ohms	
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Draw a drabh (	of the above results	on the next page. [	Describe and expl	ain the shape of the gra	aph
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Usina the ara	<b>ph</b> work out the re	sistance of the cond	uctor (show wo	rkings on graph page).	
	pii , work out the re				
General comr	nents				

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Teacher Name:	Date of completion:
Student signature:	