Question number		Answer	Notes	Marks
4 (a)		correct symbols for all components; components connected in a series circuit; ammeter in series with lamp; voltmeter in parallel with lamp;	ignore ammeter and voltmeter	4
(b)	(i)	all points plotted correctly;	within half a small square	1
	(ii)	curve passes within half a small square of all points;	by eye	1
(c)	(i)	idea of taking more data at different voltages;		1
	(ii)	any TWO from:  MP1. current (in filament) heats up the filament;  MP2. resistance changes with temperature;	allow idea that higher voltage will increase the temperature of the filament condone 'lamp' for filament	2
		MP3. idea that change of resistance affects gradient (of graph);	allow 'increasing resistance decreases current for the same voltage' for MP2 and MP3	

Total for Question 4 = 9 marks