Question number	Answer	Notes	Marks
14 a	C;		1
b (i)	(independent) temperature; (dependent) resistance;	must be this way round	2
(ii)	label on both axes with units; scale on both axes; plotting;;	ignore orientation sensible linear scale using ≥50% of the grid tolerance is +/- 0.5 square -1 for each error	4
(iii) (iv) (v)	suitable curve passing no more than 1 square from any point;  value in the range 420 - 480 (Ω)  any three from:  MP1. idea of thermometer reading being the actual temperature of the thermistor;  MP2. measure a greater range of temperatures;  MP3. take readings to fill in the gap in the	Temperature in Ω 60 150 55 200 50 280 30 690 25 840 20 1060   e.g. e.g. e.g. e.g. e.g. position thermometer closer to the thermistor position thermometer at the same height as the thermistor placing thermistor at the bottom (of the beaker) e.stirring the water allow 'measure for higher temperatures' etc. allow 'measure more	1 1 3
	temperature range;  MP4. idea of measuring temperature/resistance to greater precision;	temperatures' in the absence of MP2 and MP3 allow use a temperature sensor and data logger more sensitive / digital thermometer	
	MP5. take repeats AND average;		