

GCSE

Science: (Modular)
Double Award and Physics

Module 10

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Electricity: Foundation Tier

Question No.	KEY
One	1 – DVD player is not earthed 2 – wrong fuse is used 3 – cable grip is loose 4 – case is broken
Two	1 – fuse 2 – variable resistor 3 – voltmeter 4 – LDR (light dependent resistor)
Three	1 – variable resistor 2 – LDR (light dependent resistor) 3 – voltmeter 4 – fuse
Four	1 – moves to the right 2 – points to 0 3 – moves further 4 – moves to the left
Five	1 – 230 volts 2 – 50 hertz 3 – 920 watts 4 – 58 ohms
Six	the reading on the ammeter increases the resistance of the thermistor decreases
Seven	R T
Eight	8.1 – C, 8.2 – B, 8.3 – B, 8.4 – B
Nine	9.1 – D, 9.2 – D, 9.3 – B, 9.4 – A
Ten	10.1 – D, 10.2 – A, 10.3 – B, 10.4 – A

Electricity: Higher Tier

Question No.	KEY
One	1 – 230 volts 2 – 50 hertz 3 – 920 watts 4 – 58 ohms
Two	1 – current flows through the coil 2 – the iron core becomes an electromagnet 3 – part X is attracted to the iron core 4 – part X does not move
Three	R T
Four	M N
Five	5.1 – C, 5.2 – B, 5.3 – B, 5.4 – B
Six	6.1 – D, 6.2 – D, 6.3 – B, 6.4 – A
Seven	7.1 – D, 7.2 – A, 7.3 – B, 7.4 – A
Eight	8.1 – C, 8.2 – B, 8.3 – D, 8.4 – B
Nine	9.1 – D, 9.2 – C, 9.3 – C, 9.4 – B
Ten	10.1 – C, 10.2 – C, 10.3 – B, 10.4 – B