

GCSE

Science: (Modular)
Double Award and Physics

Module 10

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Electricity : Foundation Tier

Question No.	KEY
One	1 – thermistor 2 – variable resistor 3 – fuse 4 – resistor
Two	1 – live terminal 2 – fuse 3 – neutral terminal 4 – earth terminal
Three	1 – hertz 2 – volts 3 – watts 4 – amperes
Four	1 – a thermistor 2 – a filament lamp 3 – a diode 4 – an LDR
Five	1 – current flows through the electromagnet coil 2 – iron arm is attracted to the electromagnet 3 – circuit is broken 4 – electromagnet is no longer magnetised
Six	the strips will attract each other if the uncharged strip is given a positive charge, the strips will repel each other
Seven	P T
Eight	8.1 – C, 8.2 – C, 8.3 – C, 8.4 – B
Nine	9.1 – D, 9.2 – D, 9.3 – B, 9.4 – D
Ten	10.1 – D, 10.2 – D, 10.3 – C, 10.4 – A

Electricity : Higher Tier

Question No.	KEY
One	1 – current flows through the electromagnet coil 2 – iron arm is attracted to the electromagnet 3 – circuit is broken 4 – electromagnet is no longer magnetised
Two	1 – G 2 – E 3 – D 4 – F
Three	P T
Four	L M
Five	5.1 – C, 5.2 – C, 5.3 – C, 5.4 – B
Six	6.1 – D, 6.2 – D, 6.3 – B, 6.4 – D
Seven	7.1 – D, 7.2 – D, 7.3 – C, 7.4 – A
Eight	8.1 – C, 8.2 – D, 8.3 – D, 8.4 – B
Nine	9.1 – B, 9.2 – C, 9.3 – C, 9.4 – B
Ten	10.1 – C, 10.2 – D, 10.3 – D, 10.4 – C