



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
November 2003

GCSE

Science (Modular)
Double Award and Physics

Module 10

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Electricity: Foundation Tier

Question	Key
One	1 – switch 2 – battery 3 – resistor 4 – lamp
Two	1 – blue plastic 2 – green and yellow plastic 3 – brown plastic 4 – white plastic
Three	1 – increases 2 – decreases 3 – reverses 4 – stays the same
Four	1 – R 2 – P 3 – S 4 – Q
Five	1 – G 2 – E 3 – D 4 – F
Six	P is negatively charged Q is positively charged
Seven	if the wire moves upwards, the ammeter will give a negative reading if the wire stops, the ammeter will read zero
Eight	8.1 – B, 8.2 – A, 8.3 – D, 8.4 – D
Nine	9.1 – C, 9.2 – C, 9.3 – D, 9.4 – B
Ten	10.1 – C, 10.2 – C, 10.3 – A, 10.4 – B

Electricity: Higher Tier

Question	Key
One	1 – G 2 – E 3 – D 4 – F
Two	1 – neutral 2 – earth 3 – live 4 – negative
Three	if the wire moves upwards, the ammeter will give a negative reading if the wire stops, the ammeter will read zero
Four	Q S
Five	5.1 – B, 5.2 – A, 5.3 – D, 5.4 – D
Six	6.1 – C, 6.2 – C, 6.3 – D, 6.4 – B
Seven	7.1 – C, 7.2 – C, 7.3 – A, 7.4 – B
Eight	8.1 – B, 8.2 – C, 8.3 – D, 8.4 – B
Nine	9.1 – C, 9.2 – D, 9.3 – A, 9.4 – B
Ten	10.1 – B, 10.2 – D, 10.3 – A, 10.4 – C