



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
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GCSE

Science (Modular)
Double Award and Physics

Module 10

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Registered address: Addleshaw Booth & Co., Sovereign House, PO Box 8, Sovereign Street, Leeds LS1 1HQ
Kathleen Tattersall: *Director General*

Electricity: Foundation Tier

Question	Key
One	1 – switch 2 – battery 3 – resistor 4 – lamp
Two	1 – neutral pin 2 – earth pin 3 – fuse 4 – cable grip
Three	1 – electrode 2 – movement of electrons 3 – movement of positive ions 4 – movement of negative ions
Four	1 – ampere 2 – volt 3 – watt 4 – ohm
Five	1 – induced 2 – reversed 3 – zero 4 – increased
Six	increase the current flowing through the wire increase the strength of the magnetic field
Seven	the duster has lost electrons the ruler has gained electrons
Eight	8.1 – B, 8.2 – C, 8.3 – B, 8.4 – B
Nine	9.1 – D, 9.2 – B, 9.3 – C, 9.4 – A
Ten	10.1 – B, 10.2 – B, 10.3 – C, 10.4 – D

Electricity: Higher Tier

Question	Key
One	1 – induced 2 – reversed 3 – zero 4 – increased
Two	1 – the small wheel of the dynamo turns 2 – this spins the magnet near the coil 3 – a voltage is induced across the coil 4 – this causes a current to flow
Three	the duster has lost electrons the ruler has gained electrons
Four	R T
Five	5.1 – B, 5.2 – C, 5.3 – B, 5.4 – B
Six	6.1 – D, 6.2 – B, 6.3 – C, 6.4 – A
Seven	7.1 – B, 7.2 – B, 7.3 – C, 7.4 – D
Eight	8.1 – C, 8.2 – B, 8.3 – D, 8.4 – B
Nine	9.1 – D, 9.2 – D, 9.3 – D, 9.4 – A
Ten	10.1 – A, 10.2 – D, 10.3 – D, 10.4 – D