

GCSE

Science: (Modular)
Single Award and Physics

Module 17

Copyright © 2005 AQA and its licensors. All rights reserved.

Energy and Electricity: Foundation Tier

Question No.	KEY
One	1 – conduction 2 – convection currents 3 – loss of warm air 4 – radiation
Two	1 – H 2 – F 3 – G 4 – E
Three	1 – uranium 2 – coal 3 – gas 4 – wood
Four	1 – water 2 – steam 3 – turbine 4 – generator
Five	1 – S 2 – P 3 – Q 4 – R
Six	K M
Seven	the potential difference (voltage) across the 6 ohm resistor is 2.4 V the total resistance is 10 ohms
Eight	1 – D, 2 – B, 3 – A, 4 – B
Nine	1 – C, 2 – B, 3 – A, 4 – D
Ten	1 – B, 2 – A, 3 – B, 4 – D

Energy and Electricity: Higher Tier

Question No.	KEY
One	1 – S 2 – P 3 – Q 4 – R
Two	1 – particles 2 – waves 3 – ions 4 – free electrons
Three	the potential difference (voltage) across the 6 ohm resistor is 2.4 V the total resistance is 10 ohms
Four	V ₂ has a reading of 6 V V ₃ has a reading of 4 V
Five	1 – D, 2 – B, 3 – A, 4 – B
Six	1 – C, 2 – B, 3 – A, 4 – D
Seven	1 – B, 2 – A, 3 – B, 4 – D
Eight	1 – C, 2 – A, 3 – C, 4 – A
Nine	1 – C, 2 – A, 3 – C, 4 – D
Ten	1 – B, 2 – C, 3 – C, 4 – D