

GCSE

Science: (Modular)
Single Award and Physics

Module 17

Copyright © 2004 AQA and its licensors. All rights reserved.

Energy and Electricity: Foundation Tier

Question No.	KEY
One	1 – white 2 – reduce 3 – black 4 – increase
Two	1 – insulates the plug 2 – connects metal case of appliance to earth 3 – wire inside melts if current is too high 4 – holds the cable firmly
Three	1 – potential difference (voltage) 2 – frequency 3 – power 4 – current
Four	1 – solar energy 2 – coal 3 – tides 4 – water pumped to a high level
Five	1 – thermistor 2 – LDR 3 – filament lamp 4 – diode
Six	all energy which is transferred eventually ends up as heat the wasted energy becomes spread out
Seven	P R
Eight	8.1 – C, 8.2 – B, 8.3 – C, 8.4 – A
Nine	9.1 – A, 9.2 – B, 9.3 – C, 9.4 – C
Ten	10.1 – B, 10.2 – A, 10.3 – C, 10.4 – C

Energy and Electricity: Higher Tier

Question No.	KEY
One	1 – thermistor 2 – LDR 3 – filament lamp 4 – diode
Two	1 – radiation 2 – convection 3 – vibration 4 – conduction
Three	P R
Four	the reading on V2 is twice the reading on V1 the reading on V3 is three times the reading on V1
Five	5.1 – C, 5.2 – B, 5.3 – C, 5.4 – A
Six	6.1 – A, 6.2 – B, 6.3 – C, 6.4 – C
Seven	7.1 – B, 7.2 – A, 7.3 – C, 7.4 – C
Eight	8.1 – B, 8.2 – B, 8.3 – B, 8.4 – B
Nine	9.1 – B, 9.2 – C, 9.3 – B, 9.4 – A
Ten	10.1 – C, 10.2 – C, 10.3 – C, 10.4 – B