



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
November 2003

GCSE

**Science (Modular)
Double Award and Physics**

Module 09

Copyright © 2003 AQA and its licensors. All rights reserved.

Energy: Foundation Tier

Question	Key
One	1 – light 2 – movement (kinetic energy) 3 – heat (thermal energy) 4 – sound
Two	1 – radiation 2 – convection 3 – conduction 4 – insulation
Three	1 – fossil 2 – water 3 – turbine 4 – generator
Four	1 – tidal 2 – gas-fired 3 – nuclear 4 – hydroelectric
Five	1 – hydroelectric 2 – solar cells 3 – tidal 4 – geothermal
Six	no fuel is used no sulphur dioxide is produced
Seven	the efficiency of the kettle is 0.9 (90%) the power of the kettle is 2000 W
Eight	8.1 – A, 8.2 – C, 8.3 – B, 8.4 – C
Nine	9.1 – C, 9.2 – C, 9.3 – B, 9.4 – C
Ten	10.1 – D, 10.2 – B, 10.3 – C, 10.4 – A

Energy: Higher Tier

Question	Key
One	1 – hydroelectric 2 – solar cells 3 – tidal 4 – geothermal
Two	1 – nuclear 2 – wind 3 – coal 4 – hydroelectric
Three	the efficiency of the kettle is 0.9 (90%) the power of the kettle is 2000W
Four	P R
Five	5.1 – A, 5.2 – C, 5.3 – B, 5.4 – C
Six	6.1 – C, 6.2 – C, 6.3 – B, 6.4 – C
Seven	7.1 – D, 7.2 – B, 7.3 – C, 7.4 – A
Eight	8.1 – D, 8.2 – A, 8.3 – C, 8.4 – C
Nine	9.1 – B, 9.2 – B, 9.3 – B, 9.4 – C
Ten	10.1 – B, 10.2 – D, 10.3, – C, 10.4 – C