

GCSE

Science: (Modular)
Double Award and Physics

Module 09

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Energy: Foundation Tier

Question No.	KEY
One	1 – conduction 2 – convection currents 3 – loss of warm air 4 – radiation
Two	1 – kinetic (movement) to electrical 2 – electrical to gravitational potential 3 – light to electrical 4 – electrical to heat
Three	1 – uranium 2 – coal 3 – gas 4 – wood
Four	1 – water 2 – steam 3 – turbine 4 – generator
Five	1 – solar panel on a roof 2 – fins at the back of a refrigerator 3 – survival bag used by a mountain rescue team 4 – back of an electric fire
Six	Q S
Seven	plutonium uranium
Eight	1 – A, 2 – D, 3 – D, 4 – D
Nine	1 – C, 2 – B, 3 – A, 4 – D
Ten	1 – B, 2 – A, 3 – C, 4 – A

Energy: Higher Tier

Question No.	KEY
One	1 – solar panel on a roof 2 – fins at the back of a refrigerator 3 – survival bag used by a mountain rescue team 4 – back of an electric fire
Two	1 – particles 2 – waves 3 – ions 4 – free electrons
Three	plutonium uranium
Four	nuclear waste disposal causes long-term environmental problems the cost of decommissioning nuclear power plants is very high
Five	1 – A, 2 – D, 3 – D, 4 – D
Six	1 – C, 2 – B, 3 – A, 4 – D
Seven	1 – B, 2 – A, 3 – C, 4 – A
Eight	1 – B, 2 – C, 3 – C, 4 – C
Nine	1 – C, 2 – A, 3 – C, 4 – D
Ten	1 – B, 2 – C, 3 – C, 4 – D