



GCSE

Science A (4461)

Specification A

PHY1AP, PH1ASF & PH1ASH

Mark Scheme

2008 Examination – June Series

This component is an objective test for which the following list indicates the correct answers used in marking the candidates' responses.

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GCSE
SCIENCE A (4461)/PHYSICS (4451)
 Objective Test Answer Key
PHY1AP (Energy and Electricity)
 Foundation Tier

Question	Key			
One	A	heat (thermal energy)	1	
	B	light	3	
	C	movement (kinetic energy)	2	
	D	sound	4	
Two	A	boiler	1	
	B	generator	3	
	C	transformer	4	
	D	turbine	2	
Three	A	conduction	3	
	B	convection	1	
	C	insulation	2	
	D	radiation	4	
Four	A	coal	2	
	B	wind	1	
	C	sunlight	4	
	D	nuclear fuel	3	
Five	A	power stations using fossil fuels	1	
	B	power stations using nuclear fuels	3	
	C	solar cells	2	
	D	wind turbines	4	
Six	A	0.50	4	
	B	50	3	
	C	200	2	
	D	250	1	
	A	B	C	D
Seven	1	3	3	3
Eight	3	2	3	1
Nine	2	1	2	4

GCSE
SCIENCE A (4461)/PHYSICS (4451)
Objective Test Answer Key
PHY1AP (Energy and Electricity)
Higher Tier

Question	Key			
One	A	0.50		4
	B	50		3
	C	200		2
	D	250		1
Two	A	gravitational potential energy		1
	B	heat (thermal energy)		3
	C	kinetic energy		2
	D	elastic potential energy		4
	A	B	C	D
Three	3	2	3	1
Four	2	1	2	4
Five	3	3	1	2
Six	4	1	4	2
Seven	2	2	4	2
Eight	2	2	3	4
Nine	4	3	3	4