

GCSE

Science A (4461) / Physics (4451)

Specification A

PHY1AP, PH1ASF & PH1ASH

Mark Scheme

2012 Examination – June Series

The blank answer sheet for this component can be found at the end of this document.

This component is an objective test for which the following list indicates the correct answers used in marking the students' responses.
Further copies of this Mark Scheme are available to download from the AQA Website: www.aqa.org.uk
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GCŚE

SCIENCE A (4461)/PHYSICS (4451)

Objective Test Answer Key

PHY1AP (Energy and Electricity)

June 2012

Foundation Tier

Question				Key		
	Α	conduction		1		
One	В	convection		3		
One	С	insulation		4		
	D	radiation		2		
	Α	kinetic		1		
Two	В	light		4		
	С	sound		2		
	D	thermal		3		
	Α	la a il a u		4		
	A	boiler		1		
Three	B C	generator transformer		3		
	D	turbine		4 2		
	U	turbine				
	Α	5		1		
	В	27		4		
Four	C	340		3		
	D	540		2		
	Α	coal-fired		1		
Five	В	geothermal		3		
rive	С	hydroelectric	;	2		
	D	wind farm		4		
		Α		В	С	D
Six		4		3	1	3
Seven		4		1	2	2
Eight		3		3	3	1
Nine		4		2	1	3

Science A 4461 / Physics 4451 – AQA GCSE Mark Scheme 2012 June Series

GCŚE

SCIENCE A (4461)/PHYSICS (4451)

Objective Test Answer Key

PHY1AP (Energy and Electricity)

June 2012

Higher Tier

Question				Key	
	Α	coal-fired	1		
One	В	geotherma			
One	С	hydroelect	ric 2		
	D	wind farm	4		
	Α	coal	3		
Two	В	nuclear	2		
1 WO	С	tides	4		
	D	wind	1		
		Α	В	С	D
Three		3	3	3	1
Four		4	2	1	3
Five		2	4	4	3
Six		1	4	3	1
Seven		1	3	4	3
Eight		1	2	4	4
Nine		3	4	3	3



Unit: PHY1AP PHYSICS UNIT 1A

Centre:

Candidate Number:

Candidate Name:

UCI:

Series: 6M12

22-JUN-12

For completion by the Examination Invigilator. Please fill this circle if the candidate is absent:

HIGHER TIER

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions ONE to NINE Choose one response 1 - 4 for each of the parts A - D

		QUESTION ONE	1	2	3	4
1A	coal-fired		0	0	0	0
1B	geothermal		0	0	0	0
1C	hydroelectric		0	0	0	0
1D	wind farm		0	0	0	0
		QUESTION TWO	1	2	3	4
2A	coal		0	0	0	0
2B	nuclear		0	0	0	0
	Hadicai					
2C	tides		0	0	0	0

QUESTION THREE						
	1	2	3	4		
3A	0	0	0	0		
3B	0	0	0	0		
3C	0	0	0	0		
3D	0	0	0	0		

	QUESTION SIX			
	1	2	3	4
6A	0	0	0	0
6B	0	0	0	0
6C	0	0	0	0
6D	0	0	0	0

	QUEST	FOUR		
	1	2	3	4
4A	0	0	0	0
4B	0	0	0	0
4C	0	0	0	0
4D	0	0	0	0

QUESTION SEVEN							
	1	2	3	4			
7A	0	0	0	0			
7B	0	0	0	0			
7C	0	0	0	0			
7D	0	0	0	0			

	QUESTION NINE			
	1	2	3	4
9A	0	0	0	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

	QUEST			
	1	2	3	4
5A	0	0	0	0
5B	0	0	0	0
5C	0	0	0	0
5D	0	0	0	0

	QUESTION		EIGHT	
	1	2	3	4
8A	0	0	0	0
8B	0	0	0	0
8C	0	0	0	0
8D	0	0	0	0

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FOUNDATION TIER

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions ONE to NINE Choose one response 1 - 4 for each of the parts A - D



	QUES'			
	1	2	3	4
6A	0	0	0	0
6B	0	0	0	0
6C	0	0	0	0
6D	0	0	0	0

QUESTION SEVEN						
	1	2	3	4		
7A	0	0	0	0		
7B	0	0	0	0		
7C	0	0	0	0		
7D	0	0	0	0		

	QUEST	10N 2	NINE 3	4
9A	0	0	0	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

	QUESTION EIGHT						
	1	2	3	4			
A8	0	0	0	0			
8B	0	0	0	0			
8C	0	0	0	0			
8D	0	0	0	0			

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