

GCSE

Science A (4461) / Physics (4451)

Specification A

PHY1BP, PH1BSF & PH1BSH

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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GCSE

SCIENCE A (4461)/PHYSICS (4451)

Objective Test Answer Key

PHY1BP (Radiation and the Universe) June 2012

Foundation Tier

Question				Key		
	Α	alpha		1		
One	В	beta		2		
One	С	gamma		4		
	D	X-rays		3		
	A	alpha		1		
Two	В	gamma		4		
	С	infra red		2		
	D	ultraviolet		3		
	Α	Fermi		1		
	В	GALEX		3		
Three	C	Hubble		4		
	D	Planck		2		
		· idiioit		_		
	Α	conclusion		3		
Four	В	confidentialit	У	4		
Four	С	control		1		
	D	evidence		2		
		A		1		
	A	Atom A		1		
Five	B C	Atom B Atom C		3		
	D	Atom D		4 2		
	U	Atom D				
		Α		В	С	D
Six		2		3	4	2
Seven		3		2	3	1
Eight		1		3	2	1
Nine		1		4	2	4

GCSE

SCIENCE A (4461)/PHYSICS (4451)

Objective Test Answer Key

PHY1BP (Radiation and the Universe) June 2012

Higher Tier

Question			ı	Кеу	
	Α	Atom A	1		
One	В	Atom B	3		
One	С	Atom C	4		
	D	Atom D	2		
	Α	3	4		
Two	В	8	3		
TWO	С	21	2		
	D	252	1		
			I		I
		Α	В	С	D
Three		1	3	2	1
Four		1	4	2	4
Five		1	2	4	4
Six		3	1	3	4
Seven		3	2	4	3
Eight		3	2	4	1
Nine		4	4	1	4



Unit: PHY1BP PHYSICS UNIT 1B

Centre:

Candidate Number:

UCI:

Series: 6M12

22-JUN-12

Candidate Name :

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

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	Atom A		0	0	0	0	
1B	Atom B		0	0	0	0	
1C	Atom C		0	0	0	0	
1D	Atom D		0	0	0	0	
		OUECTION TWO		•	•	1	
		QUESTION TWO	1	2	3	4	
2A	3	QUESTION TWO	0	11/5/17	0		
2A 2B	8	QUESTION TWO		11/5/17	on a Land		
		QUESTION TWO	0	0	0	0	

QL	JESTI 1	ON T	HRE 3	E 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		

	QUESTION 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	10N 2	FIVE 3	4
5A	0	0	0	0
5B	0	0	0	0
5C	0	0	0	0
5D	0	0	0	0

	QUEST			
	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.

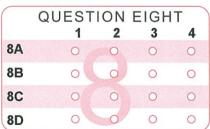
Questions ONE to NINE Choose one response 1-4 for each of the parts A-D



	QUES	TION 2	SIX 3	4
6A	0	0	0	0
6B	0	0	0	0
6C	0	0	0	0
6D	0	0	0	0

Q	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		

10				
	QUEST 1	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



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8 4 2