

#### **GCSE**

## **Science A (4461)**

Specification A

PHY1BP, PH1BSF & PH1BSH

### **Mark Scheme**

2009 Examination - March Series

This component is an objective test for which the following list indicates the correct answers used in marking the candidates' 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) March 2009

Foundation Tier

Question			Key		
One	A	infra red	4		
	В	visible light	1		
	C	ultraviolet	3		
	D	X-rays	2		
	A	alpha	2		
Two	В	beta	3		
1 W O	C	electron	4	4	
	D	gamma	1		
Three	A	conclusion	4		
	В	control variabl	e <b>2</b>		
	C	prediction	1	1	
	D	independent va	ariable 3		
	A	electrons	1		
Four	В	neutrons	4		
1041	C	nuclei	3		
	D	protons	2		
	A	3	4		
Five	В	10	1		
	C	12	2		
	D	60	3		
	A		В	С	D
Six	2		1	2	1
Seven	4		2	2	4
Eight	1		3	2	1
Nine	2		3	2	3

#### **GCSE**

### **SCIENCE A (4461)/PHYSICS (4451)**

Objective Test Answer Key

# PHY1BP (Radiation and the Universe) March 2009

Higher Tier

Question	Key								
One	A	3	4						
	В	10	1						
	C	12	2						
	D	60	3						
Two	A	alpha particle	es	4					
	В	beta particles	}	2					
	C	gamma rays		3					
	D	alpha, beta and gamma radiation 1							
		A	В	C	D				
Three		1	3	2	1				
Four		2	3	2	3				
Five		4	2	3	3				
Six		3	4	4	3				
Seven		1	2	4	1				
Eight		1	4	2	2				
Nine		2	3	4	3				