



General Certificate of Secondary Education

Science A 4461

Physics 4451

PHY1B F & H

Objective Test Answer Keys

March 2007 examination series

Answer keys are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers.

Further copies of these answer keys are available to download from the AQA Website: www.aqa.org.uk

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PHY1B (Radiation and the Universe) Foundation Tier

Question	Key			
One	A	infra red	3	
	B	radio waves	4	
	C	ultraviolet	2	
	D	visible light	1	
Two	A	electron	1	
	B	nucleus	4	
	C	neutron	3	
	D	proton	2	
Three	A	Clouds may limit the telescope's use.	4	
	B	Easy for astronomers to get to the telescope.	3	
	C	Not easy to service and repair the telescope.	2	
	D	Quality of data is not reduced by the atmosphere .	1	
Four	A	away from	2	
	B	beyond	4	
	C	furthest	3	
	D	towards	1	
Five	A	6	3	
	B	8	2	
	C	12	4	
	D	19	1	
Six	A	conclusion	3	
	B	confidentiality	4	
	C	control	1	
	D	evidence	2	
	A	B	C	D
Seven	4	1	1	2
Eight	2	4	1	4
Nine	4	4	3	3

PHY1B (Radiation and the Universe) Higher Tier

Question	<i>Key</i>			
One	A	conclusion	3	
	B	confidentiality	4	
	C	control	1	
	D	evidence	2	
Two	A	gamma rays	3	
	B	microwaves	2	
	C	ultraviolet rays	1	
	D	X-rays	4	
	A	B	C	D
Three	2	4	1	4
Four	4	4	3	3
Five	1	4	1	4
Six	3	4	4	2
Seven	2	4	3	4
Eight	4	1	1	1
Nine	2	1	3	3