

GCSE COMBINED SCIENCE: PHYSICS
MARK SCHEME

Practice Paper 2 Higher

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1	(a)	(i)	absorb	1
		(ii)	more	1
	(b)	(i)	conduction	1
		(ii)	colour (of cube) <i>allow colour (of box)</i>	1
		(iii)	Cube Y <i>all three in correct order for 2 marks</i> Cube X Cube Z <i>one or two correct for 1 mark</i> <i>allow grey for X</i> <i>allow white for Y</i> <i>allow black for Z</i>	2
		(iv)	results can be compared <i>accept start temperature affects rate of energy transfer</i> <i>or start temperature affects how quickly the cube cools down</i> <i>ignore fair test / reliability / accuracy / control variable / valid</i>	1
		(v)	control (variable) <i>allow controls / controlled</i>	1
				[8 marks]
2	(a)	750	<i>allow 1 mark for correct substitution, ie 75×10 provided no subsequent step shown</i>	2
		newton(s) / N	<i>do not accept n</i>	1

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