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# Change of State Mark Scheme 1

# LevelIGCSESubjectPhysicsExam BoardEdexcel IGCSEModuleSingle Award (Paper 2P)TopicSolids, Liquids and GasesSub-TopicChange of StateBookletMArk Scheme 1

Time Allowed:	9 minutes			
Score:	/7			
Percentage:	/100			

### **Grade Boundaries:**

A*	А	В	С	D	E	U
>85%	775%	70%	60%	55%	50%	<50%

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Question number	Answer					Notes	Marks
1 (a)	one mar	temperature in <sup>°</sup> C in Kelvin k for each correct	point of nitrogen -196	boiling point of water 373		ignore -273	2

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1 (b (i)	Plotting to nearest half-square (minus one for each plotting error, up to max 2 marks) ;;			 3
	line of best fit that intersects x-axis between -250 and -300;	Temperature in °C	Volume in litres	
	The of best fit that intersects x-axis between -250 and -500,	- 20	0.95	
(ii)	point (0, 0.85) circled or otherwise indicated;	0	0.85	
	point (0, 0.03) circled of otherwise indicated,	50	1.20	1
		80	1.30	
		100	1.40	
b(iii)	Reading from graph to nearest small square (±5 degrees);			1