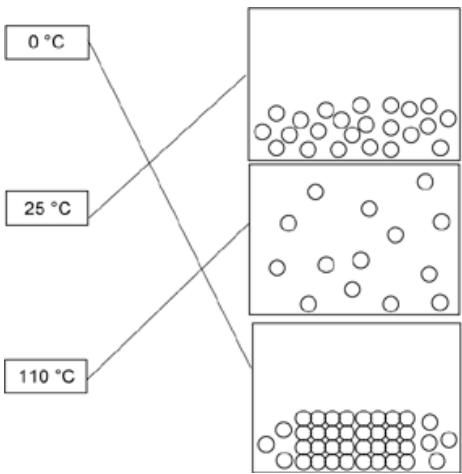


Mark scheme

Question			Answer/Indicative content	Marks	Guidance
1				2 (2 x AO 1.2)	Any one correct = one mark All three correct = two marks
			Total	2	
2			D ✓	1 (AO 2.1)	<u>Examiner's Comments</u> C was the most popular incorrect response with A being the next most popular.
			Total	1	
3		i	B ✓	1 (AO 1.1)	
		ii	Any value between -218 and -184 (°C) ✓	1 (AO 2.1)	<u>Examiner's Comments</u> Most candidates gave a negative temperature; -180, -219 and -220 were all popular incorrect responses.
		iii	A liquid becoming a solid is called freezing . ✓ In a solid, the particles move less ✓ than in a liquid. In a solid, the arrangement of particles is less ✓ random than in a liquid.	3 (AO 3 x 1.1)	<u>Examiner's Comments</u> Higher scoring candidates chose freezing, less and less. Condensing was seen for the change of state and the particles being more random was also popular.
			Total	5	
4			C ✓	1(AO2.1)	
			Total	1	
5			B ✓	1(AO1.1)	
			Total	1	