Social Content of the power	Question number	Answer	Notes	Marks
(ii) any TWO from: MP1. bonds between particles are weakened or broken; MP2. particles go from regular to irregularly packed/EQ; MP3. particles go from vibrating (about a fixed position) to sliding past each other / EQ; ignore references to		 MP1. measure current and voltage to work out power; MP2. use ammeter and voltmeter; MP3. measure temperature increase AND time taken; MP4. find total energy (E = Pt or E = VIt); MP5. measure mass of substance; MP6. use a balance; MP7. rearrange to give c = E / m Δθ; MP8. plot a temperature-time graph; 	accept 'power meter' or 'joulemeter' accept idea of 'known voltage' accept measure initial and final temperature for temp increase accept idea of waiting for highest temperature after power switched off accept 'use a stopwatch' for time	5
reference to different temperature changes in the same time; different specific heat capacities/EQ; accept recognition that the states are different condone incorrect SHC comparisons between phases	(ii)	any TWO from: MP1. bonds between particles are weakened or broken; MP2. particles go from regular to irregularly packed/EQ; MP3. particles go from vibrating (about a fixed position) to sliding past each other / EQ; reference to different temperature changes in the same time;	ignore references to KE accept recognition that the states are different condone incorrect SHC comparisons	2

Total for Question 5: 10 marks