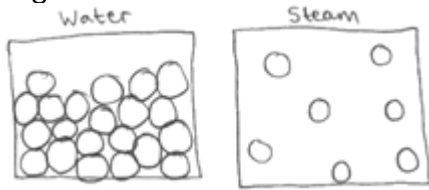


Question number	Answer	Notes	Marks
3 (a)	any 2 of: MP1. particles gain kinetic energy / KE; MP2. particles move further apart; MP3. some particles escape / evaporate from the surface / become a gas/vapour;	allow particles move faster / vibrate more allow particles break bonds	2
(b)	comment about separation; e.g. particles in steam further apart comment about location of particles; e.g. steam particles fill container but water particles have a surface e.g.  = 2 marks	ignore comments referring to motion of particles allow steam takes volume of container but water doesn't allow marks if seen on a labelled diagram or writing	2
(c)	any 3 of: MP1. (average) speed / KE of particles decreases (when cooled); MP2. particles collide less often with the can; MP3. (when cooled) pressure inside the can decreases; MP4. pressure outside greater than pressure inside the can;	allow molecules for particles throughout allow 'particles join water' / steam condenses (into water) allow particles collide with the can with less force allow pressure proportional to temperature ignore references to vacuum allow RA	3

Total for question 3 = 7 marks