Question number	Answer	Notes	Marks
6 (a) (i)	373 (K);	IGNORE any decimal places / degree sign REJECT negative values	1
(ii)	More (kinetic) energy / more quickly / faster / further apart (in steam); ACCEPT more freely	ACCEPT reverse argument for water REJECT vibration NB Must be a comparison	1
(iii)	Any three from:		3
	(Molecules) in motion / moving; Bounce off / hit / collide with / strike inside of kettle; Momentum changes; There is a force (on the inside); pressure = force ÷ area OWTTE;	IGNORE molecules hitting each other IGNORE push	
(b)	Substitution $130 \times 820 = 101 \times V_2$ OR OR Rearrangement $V_2 = (130 \times 820) \div 101$; Answer $= 1060 \text{ (cm}^3)$;	Correct answer with no working gets both marks ACCEPT 1055 (cm ³) / or with further dp after 1055 (cm ³)	2
(c)	Pressure decreases; Any one from: Molecules move more slowly / have less kinetic energy; Molecules hit sides with less frequently / often; Less momentum change / force produced (per collision or overall);	NB "pressure increases / stays the same" scores zero for question	2
	Pressure is proportional to temperature / P a T (for constant volume);		