

Question number	Answer	Notes	Marks
14 (a)	Substitution into correct equation; Calculation; e.g. $10\,000 \times 10 = p_2 \times 270$ $p_2 = 370$ (kPa)	correct answer = 2 marks ACCEPT 370.37..... (kPa)	2
(b)	pressure decreases; Any two from: molecules slow down; less frequent collisions with walls / don't collide as much with walls; less hard /less force (on same area);	ACCEPT less <u>kinetic</u> energy / less momentum IGNORE collisions with each other ACCEPT smaller momentum change (in collisions)	3
(c) (i)	Pressure decreases; One of Fewer molecules (bombarding container); Less force from the molecules;		2
(ii)	Gas leaves (the liquid)/Expands/Foams the cream;	ACCEPT Cools;	1

Total 8 Marks