

Question number	Answer	Notes	Marks									
3 (a)	<p>any one line correct for one mark; all three lines correct for two marks;;</p> <div><div>state of matter</div><div>particles</div><div><div>solid</div><div>close together, moving about and can slide past one another</div></div><div><div>liquid</div><div>far apart, moving quickly and at random</div></div><div><div>gas</div><div>close together, vibrating about fixed positions</div></div></div>	more than one line to a box does not score	2									
(b) (i)	<p>18; 192;</p> <table><tr><td></td><td>Temperature in °C</td><td>Temperature in kelvin</td></tr><tr><td>room temperature</td><td>18</td><td>291</td></tr><tr><td>triple point of ethyne</td><td>-81</td><td>192</td></tr></table>		Temperature in °C	Temperature in kelvin	room temperature	18	291	triple point of ethyne	-81	192		2
	Temperature in °C	Temperature in kelvin										
room temperature	18	291										
triple point of ethyne	-81	192										
(ii)	decreases / OWTTE;	ignore “molecules slow down”	1									
(iii)	remains constant / no change / nothing;		1									

Total 6 marks