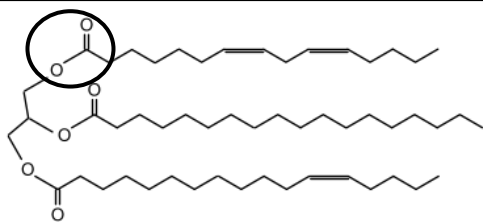


Question		Answer	Mark	Guidance
22	(a)	any appropriate bond circled ✓	1	 <p>Accept more than one correct circle Circle should include both O atoms and the C between them</p>
	(b)	glycerol ✓	1	
	(c)	(i)	3 max	<p>DO NOT ALLOW energy for respiration</p> <p>IGNORE for warmth unless linked to insulation</p> <p>e.g protection around kidneys</p>
		(ii)	2 max	<p>One mark for description (1st mark point) One mark for explanation.</p> <p>Note mp1 only awarded for clear statement of trend not for full description of data DO NOT ALLOW hydrogen, ions / bonds / molecules</p>
		(d)	2 max	ALLOW marks in suitably annotated diagram
		they / fatty acids, hydrophobic / described ✓ phospholipid bilayer (formed) ✓ fatty acids / tails, on the inside / pointing inwards ✓		