0 1	The molecular formulae for four organic compounds, A, B, C and D are shown below.					
	A CH₄	${f B}$ $C_2H_6$	<b>C</b> C <sub>2</sub> H <sub>4</sub>	<b>D</b> C <sub>3</sub> H <sub>8</sub>		
	Compounds in the same homologous series have the same general formula.					
0 1 . 1	Name the homolo	gous series to v	vhich compour	nd C belongs.	[1 mark]	
0 1 . 2	What is the genera			series?	[1 mark]	
0 1 . 3	series as B.	compounds A,		mbers of the same	homologous [1 mark]	
0 2 . 1	Ethene reacts with			ction.	[2 marks]	
0 2 . 2	C <sub>2</sub> H <sub>4</sub> + H <sub>2</sub> O  1 mark for co  What type of react  addition	Treot Erro	C₂H₅Ol 1 mark	H (or C <sub>2</sub> H <sub>6</sub> O) for correct RHS	[1 mark]	
0 3 . 1	polyunsaturated f	ats in oil. and how it show	s the presence	nine the presence of polyunsaturate	ed fat. <b>[2 marks]</b>	
0 3 . 2			fat is present.	[1] s, between saturate		
	Unsaturated fats OR Saturated fats d	o not contain d		[1]		
	between carbon	atoms.		[1]		

It is possible to make olive oil into a solid at room temperature by reducing the

	percentage of unsaturated fat in it.			
0 3 . 3	Describe how the percentage of unsaturated fat in olive oil is reduced.  [3 marks]			
	React the unsaturated fat with hydrogen	[1]		
	with a nickel catalyst	<u>[1]</u>		
	at 60°C.	[1]		
		(Total	13 marks)	

**End**