6	Propane-1,2-diol has the structure $CH_2(OH)CH(OH)CH_3$. It is used to make polyesters and is one of the main substances in electronic cigarettes (E-cigarettes).
	A sample of propane-1,2-diol was refluxed with a large excess of potassium dichromate(VI) and sulfuric acid.
0 6 . 1	Draw the skeletal formula of propane-1,2-diol.
	[1 mark]
0 6 . 2	Write an equation for this oxidation reaction of propane-1,2-diol under reflux, using [O] to represent the oxidizing agent.
	Show the displayed formula of the organic product. [2 marks]



0 6 . 3	Draw a labelled diagram to show how you would set up apparatus for	refluxing.
		[2 marks]
0 6 . 4	Anti-bumping granules are placed in the flask when refluxing. Suggest why these granules prevent bumping.	
		[1 mark]
0 6 . 5	Draw the structure of a different organic product formed when the acidi potassium dichromate(VI) is not in excess.	fied
		[1 mark]

