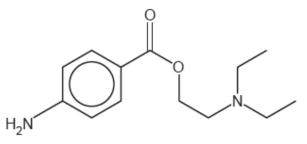


## A Level Chemistry B (Salters)

H433/01 Fundamentals of chemistry

**Question Set 18** 

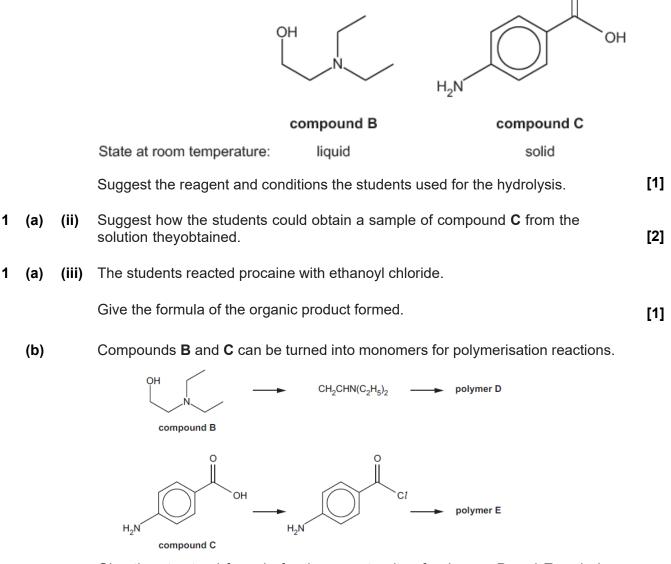
1 (a) (i) Procaine has been used as an anaesthetic in dentistry.



Procaine

Some students reacted procaine with various reagents to see if they could make other useful substances from it.

They hydrolysed procaine, producing a solution containing compound  ${\bf B}$  and the **sodium salt** of compound  ${\bf C}$ .



Give the structural formula for the repeat units of polymers **D** and **E** and give the **type** of polymerisation occurring in each case.

[2]

Ο

Monomer	Repeat unit of the polymer	Type of polymerisation
CH <sub>2</sub> CHN(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	Polymer D	
H <sub>2</sub> N O CI	Polymer E	

## Total Marks for Question Set 18: 6



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