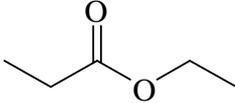
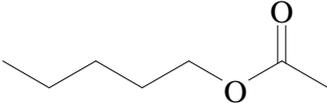


Marks
5

- Complete the following table. Make sure you indicate any relevant stereochemistry.

STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
CH ₃ CH ₂ COOH	1. SOCl ₂ 2. CH ₃ CH ₂ OH	
$\begin{array}{c} \text{OCH}_2\text{CH}_3 \\ \\ \text{H}_3\text{C}-\text{C}-\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$	dilute H ⁺	 + CH ₃ CH ₂ OH
CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ OH	$\begin{array}{c} \text{O} \quad \text{O} \\ \quad \\ \text{CH}_3-\text{C}-\text{O}-\text{C}-\text{CH}_3 \end{array}$ conc. H ₂ SO ₄ catalyst	 + CH ₃ COOH
$\begin{array}{c} \text{O} \\ \\ \text{CH}_3-\text{C}-\text{Cl} \end{array}$	H ₂ O	CH ₃ COOH