• Complete the following table. Make sure you give the name of the starting material where indicated.			Marks 2
STARTING MATERIAL	REAGENTS/ CONDITIONS	STRUCTURAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
O H Name:		ОН	

• Complete the following table

Marks 1

complete the following table.		
STARTING MATERIAL	REAGENTS/CONDITIONS	THE MAJOR ORGANIC PRODUCT(S)
	1. NaBH₄ 2. H [⊕] / H ₂ O	

• Complete the following tabl	e.		Marks 2
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
		ОН	
	$\operatorname{Cr}_{2}\operatorname{O}_{7}^{2}^{\Theta}/\operatorname{H}^{\oplus}$		•

•	Hydrogen chloride, HCl, reacts with the compound CH ₃ CH=C=O in an electrophilic addition reaction. Use your knowledge of the mechanism of electrophilic addition to a C=C double bond to predict the major product of this reaction. Explain your reasoning.	Marks 2

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.

• Complete the following tabl	e.		Marks 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
	1. NaBH₄ 2. H [⊕] / H ₂ O	ОН	

• Complete the following tabl	Complete the following table. Make sure you indicate any relevant stereochemistry.		Marks 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
O H	1. NaBH ₄ 2. $\text{H}^{\oplus}/\text{H}_2\text{O}$		

• Complete the following table.			Marks 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
O		H OH	

Give the stick representation of the product formed when butanone is reacted with ethylmagnesium bromide (CH₃CH₂MgBr), followed by aqueous acid.

 I. CH₃CH₂MgBr
 I. CH₃CH₂MgBr
 I. H[®]/H₂O

State whether the product formed by this reaction is *achiral*, the (S)-enantiomer, the (R)-enantiomer, a meso-compound or a racemic mixture.