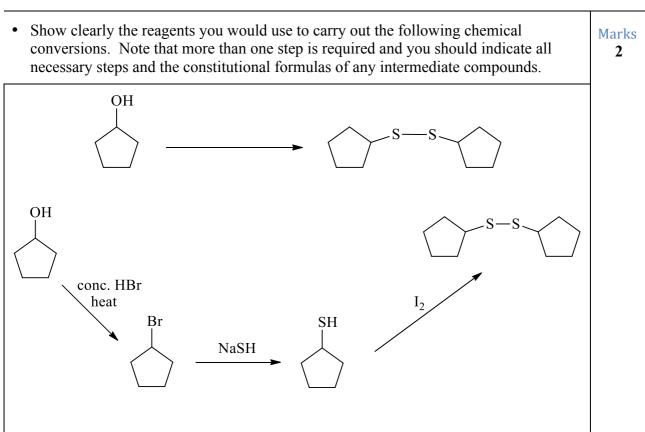
• Complete the following table. Make sure you complete the name of the starting material where indicated.		Marks 3	
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
OH Name: phenol	dilute NaOH	✓o [⊕]	
HO	Na ₂ Cr ₂ O ₇ in dilute sulfuric acid		

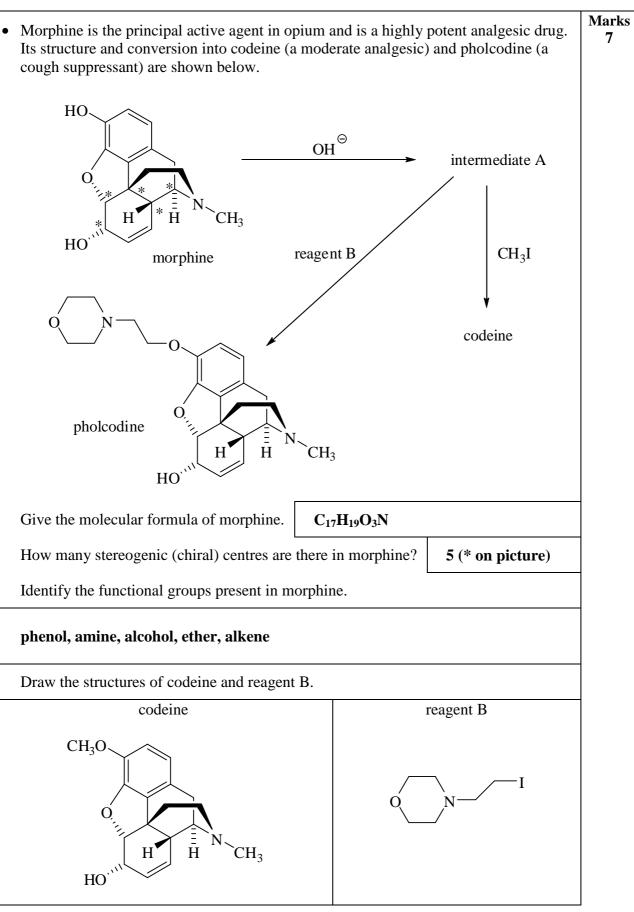
• Complete the following table. Make sure you complete the name of the starting material where indicated.		Marks 1	
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
Br	1. Mg / dry ether 2. CO₂ 3. H [⊕] / H₂O		

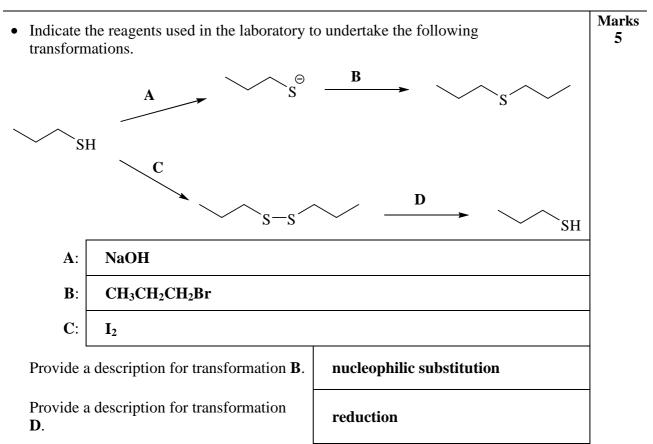
• Complete the following table. Make sure you complete the name of the starting material where indicated.			Marks 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
ОН	1. NaOH 2. CH ₃ I	OCH ₃	

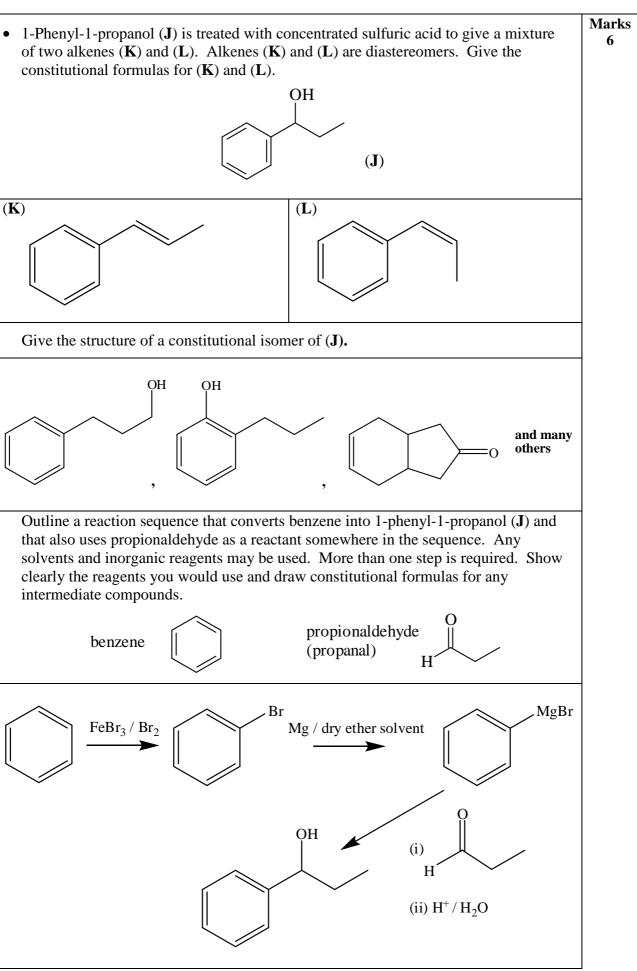
• Complete the following table. Make sure you complete the name of the starting material where indicated.			Marks 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
$\widehat{\mathbf{S}-\mathbf{S}}$	\mathbf{Zn} / \mathbf{H}^+	HS	



• Complete the following table. Make sure you complete the name of the starting material where indicated.			Marks 3
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
ОН	1. NaOH 2. CH ₃ I	OCH ₃	
H_OH	Cr ₂ O ₇ ^{2⊖} /H [⊕]		







Show clearly the reagents you would use to carry out the following chemical conversions. Draw constitutional formulas for any intermediate compounds. Note: More than one step is required in both cases.
 OH
 OH

• Complete the following table. Make sure you give the name of the product or starting material where requested.			Marks 3
STARTING MATERIAL	REAGENTS/CONDITIO NS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
Name: 1-methylcyclohex-1-ene	HBr / CCl ₄ (solvent)	(Markovnikov product with Br on more substituted end of double bond)	
s-s-s-	Zn / H^{\oplus}	2 SH	