

• Complete the following table.			
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
CH <sub>3</sub> CH <sub>2</sub> CHCH <sub>2</sub> CH <sub>3</sub> Br	(CH <sub>3</sub> ) <sub>3</sub> N	CH <sub>3</sub> CH <sub>2</sub> CHCH <sub>2</sub> CH <sub>3</sub> Br <sup>⊖</sup> ⊕ N(CH <sub>3</sub> ) <sub>3</sub>	
Br	1. Mg / dry ether 2. CO <sub>2</sub> 3. H <sup>⊕</sup> / H <sub>2</sub> O	СООН	
SH	I <sub>2</sub> / air		
OH	(i) NaOH (ii) CH3CH2Br	CH <sub>2</sub> CH <sub>3</sub>	
	conc. HNO <sub>3</sub> / conc. H <sub>2</sub> SO <sub>4</sub>	NO <sub>2</sub>	
ОН	$\operatorname{Cr_2O_7}^{2 \ominus}/\operatorname{H}^\oplus$		



• Complete the following table.			Marks 1
STARTING MATERIAL	REAGENTS/CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
	$CH_3 - C - Cl / AlCl_3$	CH3	

Complete the following table. Make sure you give the name of the product or starting material where requested.
STARTING MATERIAL
REAGENTS/CONDITIONS
CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
HNO<sub>3</sub> / H<sub>2</sub>SO<sub>4</sub> (30-40°C)