STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
O NH ₂	6 M NaOH heat	

• Show clearly the reagents you would use to carry out the following chemical conversions. Note that more than one step is required and you should indicate all necessary steps and the constitutional formulas of any intermediate compounds.

STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
	3 M NaOH	
Cl	excess (CH ₃) ₂ NH	

• Show clearly the reagents you would use to carry out the following chemical conversions. Note that more than one step is required and you should indicate all necessary steps and the constitutional formulas of any intermediate compounds.

STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
Cl	excess (CH ₃) ₂ NH	
Name:	3 M NaOH	

Name:		
	H [⊕] / H ₂ O / heat	
OCI	excess CH ₃ NH ₂	
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)

STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
ОН		Name:
НО Н	$\left[\mathrm{Ag}(\mathrm{NH_3})_2\right]^{\oplus}/\mathrm{OH}^{\ominus}$	
0	3 M NaOH / heat	
Name:		OCH ₃ OCH ₃

• Show clearly the reagents you would use to carry out the following chemical conversions. Note that more than one step is required and you should indicate all

• Complete the following table.

STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
НО Н	$[Ag(NH_3)_2]^{\oplus}/OH^{\ominus}$	
O CH ₃ —C—OCH ₂ CH ₂ CH ₃	H [⊕] / H ₂ O / heat	
СООН		CH ₂ OH

• 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.

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$$\begin{array}{c|c} & & & & \\ & & & \\ \hline \end{array}$$

• Complete the following table.

STARTING MATERIAL	REAGENTS/CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
ОН		O CH ₃
Cl		CH ₃

• 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)
СООН	OH [⊖] / H ₂ O / heat	