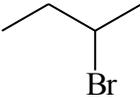
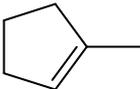
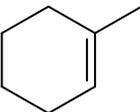
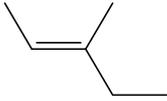
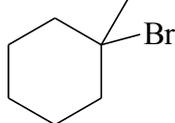
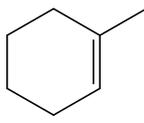


- Complete the following table.

STARTING MATERIAL NAME (where required)	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
 Name:	$\text{CH}_3\text{CH}_2\text{S}^\ominus \text{Na}^\oplus$	
 Name:	H_2 / Pd on C ethanol solvent	
	dilute H_2SO_4 heat	

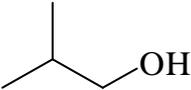
Marks
4

- Complete the following table. Make sure you complete the name of the starting material where indicated.

STARTING MATERIAL NAME (where required)	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
 Name:	H ₂ / Pd catalyst	
		

Marks
3

- Complete the following table. Make sure you complete the name of the starting material or major product where indicated.

STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
$\text{CH}_3\text{CH}=\text{CHCH}_3$		$\begin{array}{c} \text{CH}_3\text{CH}_2\text{CHCH}_3 \\ \\ \text{OH} \end{array}$ Name:
	1. Na metal 2. $\text{CH}_3\text{CH}_2\text{Br}$	