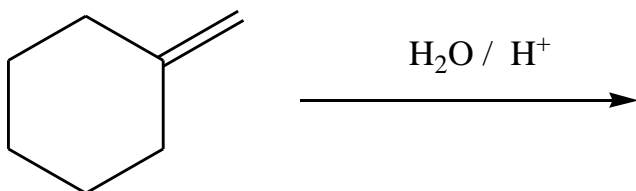
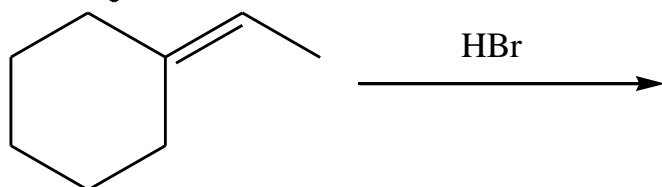
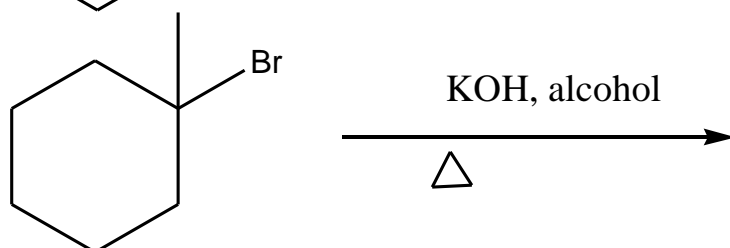
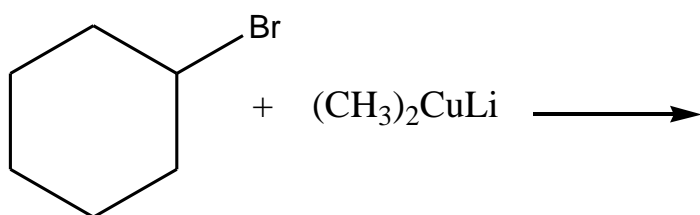
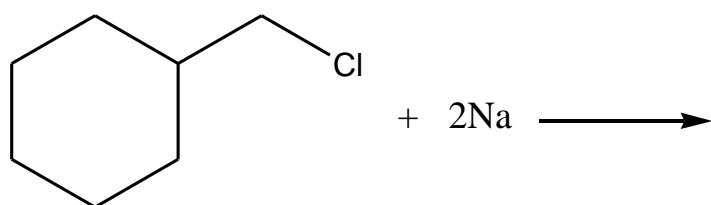
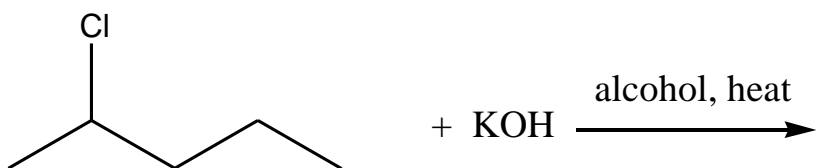
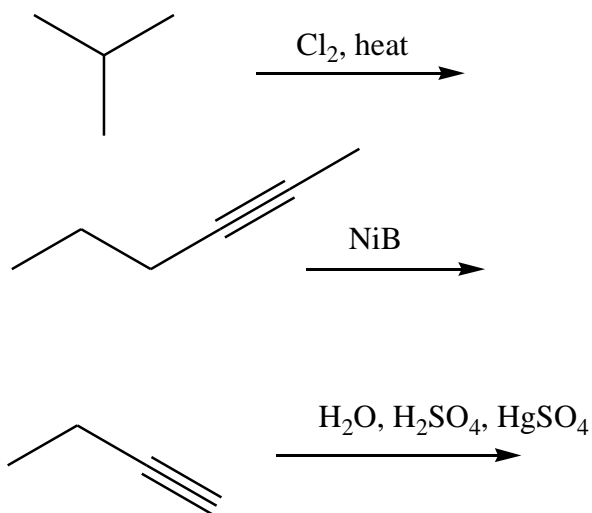


Exercise Ch 1& 2 & 3

What is the product of the following reaction





What is the best reagent used for the following reaction?



- a) Conc H_2SO_4 b) $\text{KOH}/\text{Alcohol}/\text{heat}$ c) $\text{Zn}/\text{acetic acid}$ d) $\text{Br}_2, \text{H}_2\text{O}$

A compound has the molecular formula of C_6H_{12} reacts with ozone to yield two moles of a single product with molecular formula of $\text{C}_3\text{H}_6\text{O}$. The IUPAC name of this C_6H_{12} is :

- a) Cyclohexane. b) 2-Hexene.
 c) Cyclohexene. d) 2,3-Dimethyl-2-butene.

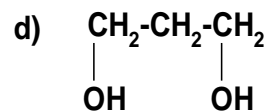
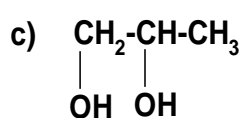
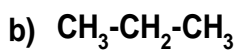
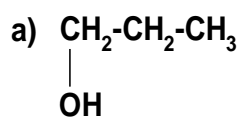
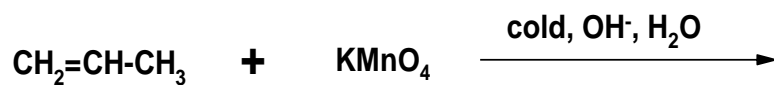
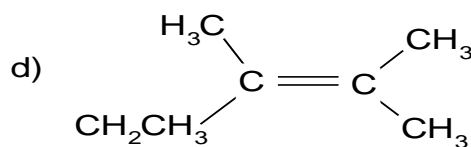
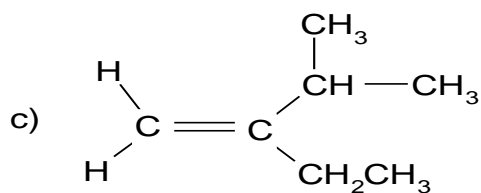
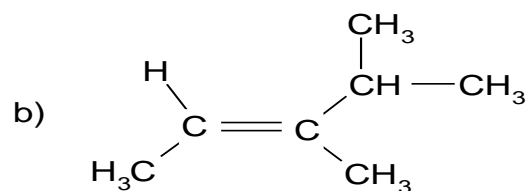
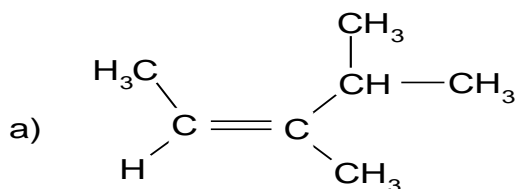
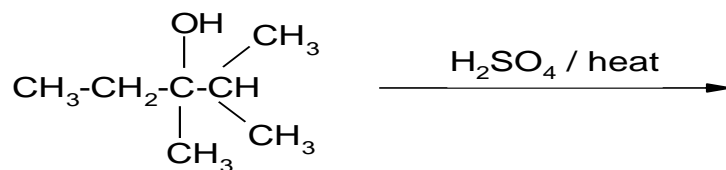
1. Which of the following is a correct name according to IUPAC rules?

- a) 2-Methylcyclohexane b) 2-Ethyl-2-methylpentane
 b) 3,4-Dimethylpentane d) 3-Ethyl-2-methylpentane

2. Which of the following compounds will show geometrical isomerism?

- a) $\text{CH}_2=\text{CHCl}_2$ b) $\text{ClCH}=\text{CHBr}$
 c) $\text{CH}_2=\text{CHCl}$ d) $\text{Cl}_2\text{C}=\text{CBr}_2$

What is the major product of the following reaction?



Good Luck