

ORGANIC REACTIONS

1.
$$\text{CH}_3\text{—CH}_2\text{—CH}_2\text{—}\overset{\text{O}}{\parallel}\text{CH} \xrightarrow{[\text{O}]} \text{CH}_3\text{—CH}_2\text{—CH}_2\text{—}\overset{\text{O}}{\parallel}\text{C—OH}$$

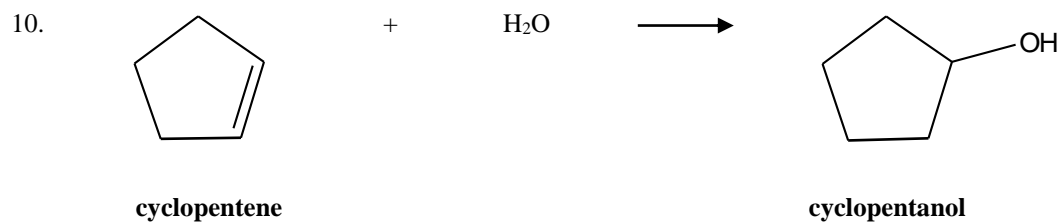
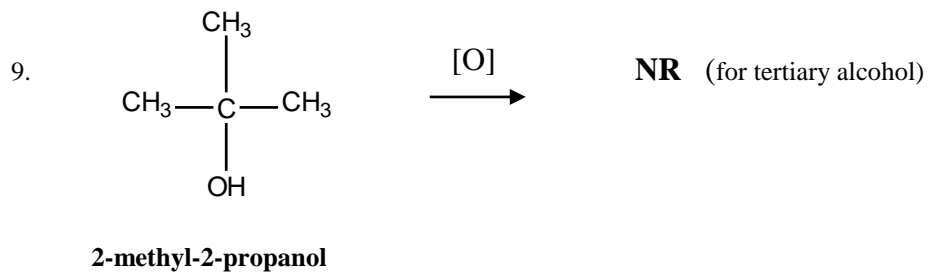
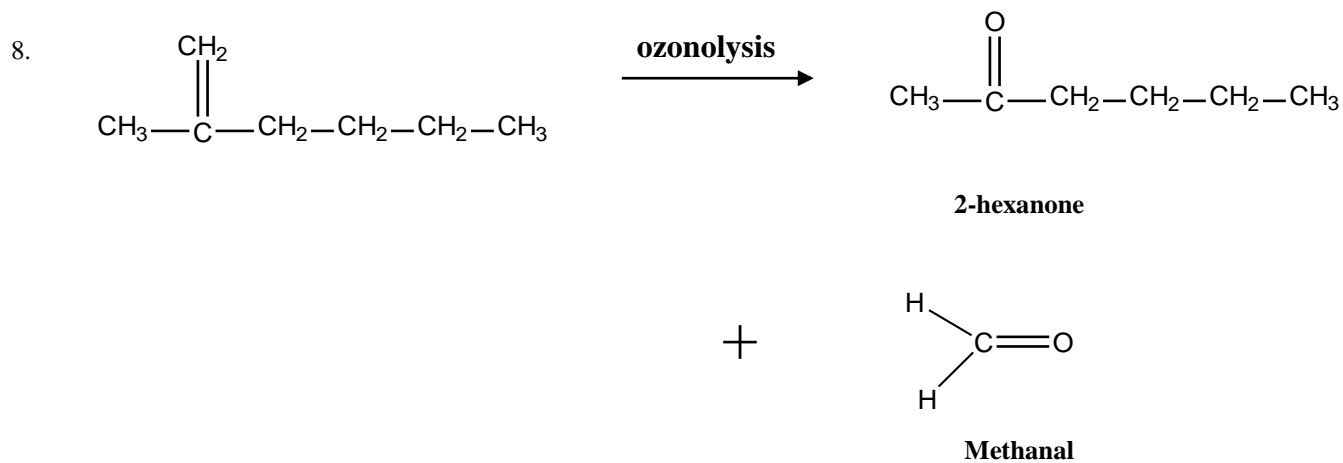
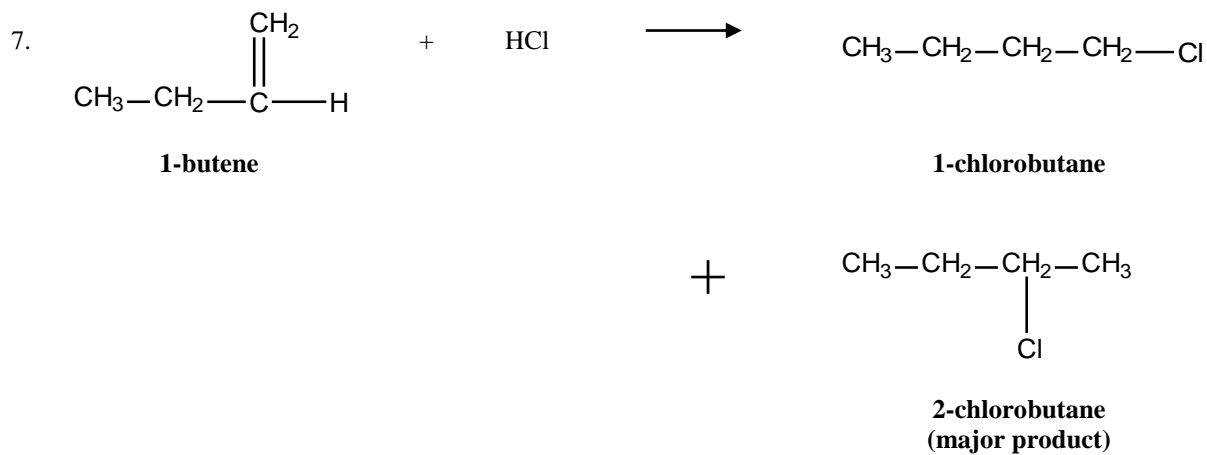
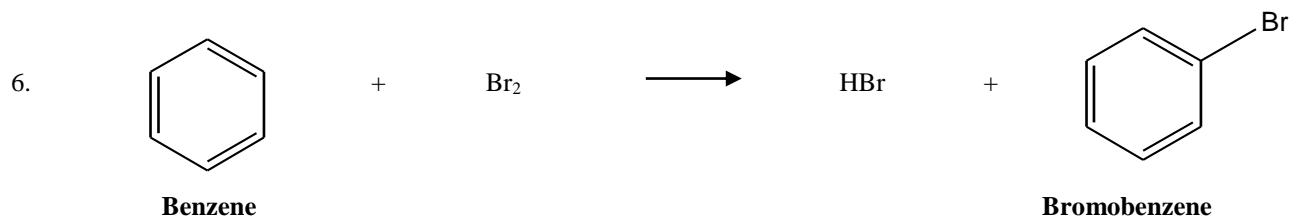
Butanal **Butanoic Acid**
2.
$$\text{CH}_3\text{—CH}_2\text{—CH}_2\text{—CH}_2\text{—CH}_3 + \text{Cl}_2 \longrightarrow \text{CH}_3\text{—CH}_2\text{—CH}_2\text{—CH}_2\text{—CH}_2\text{—Cl}$$

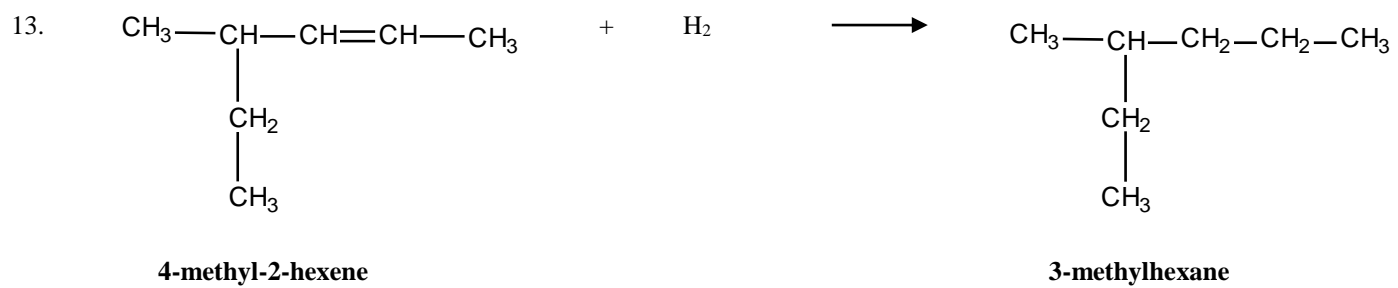
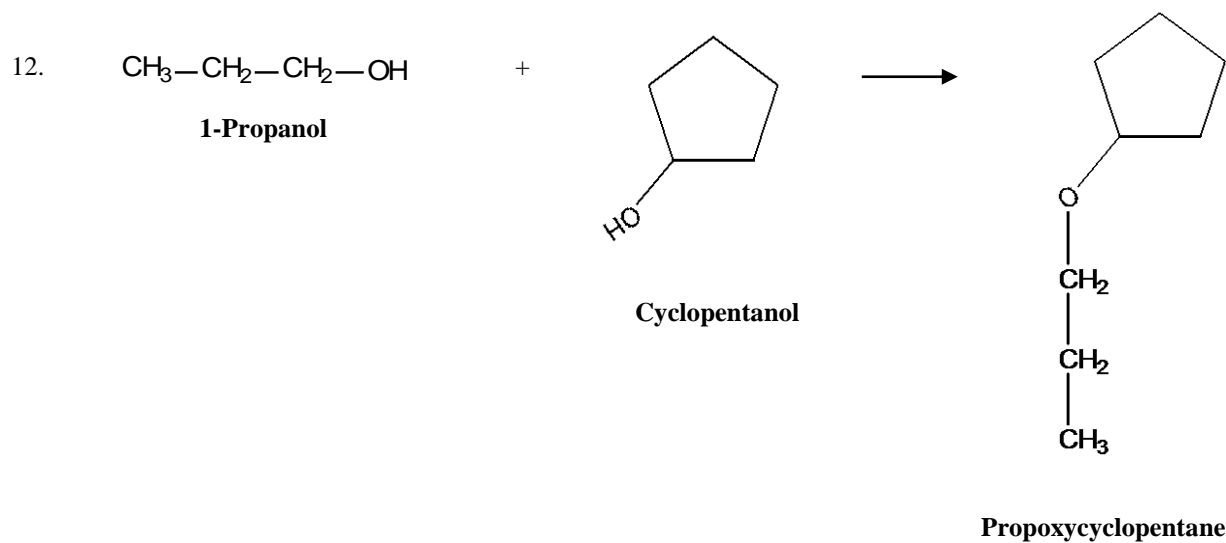
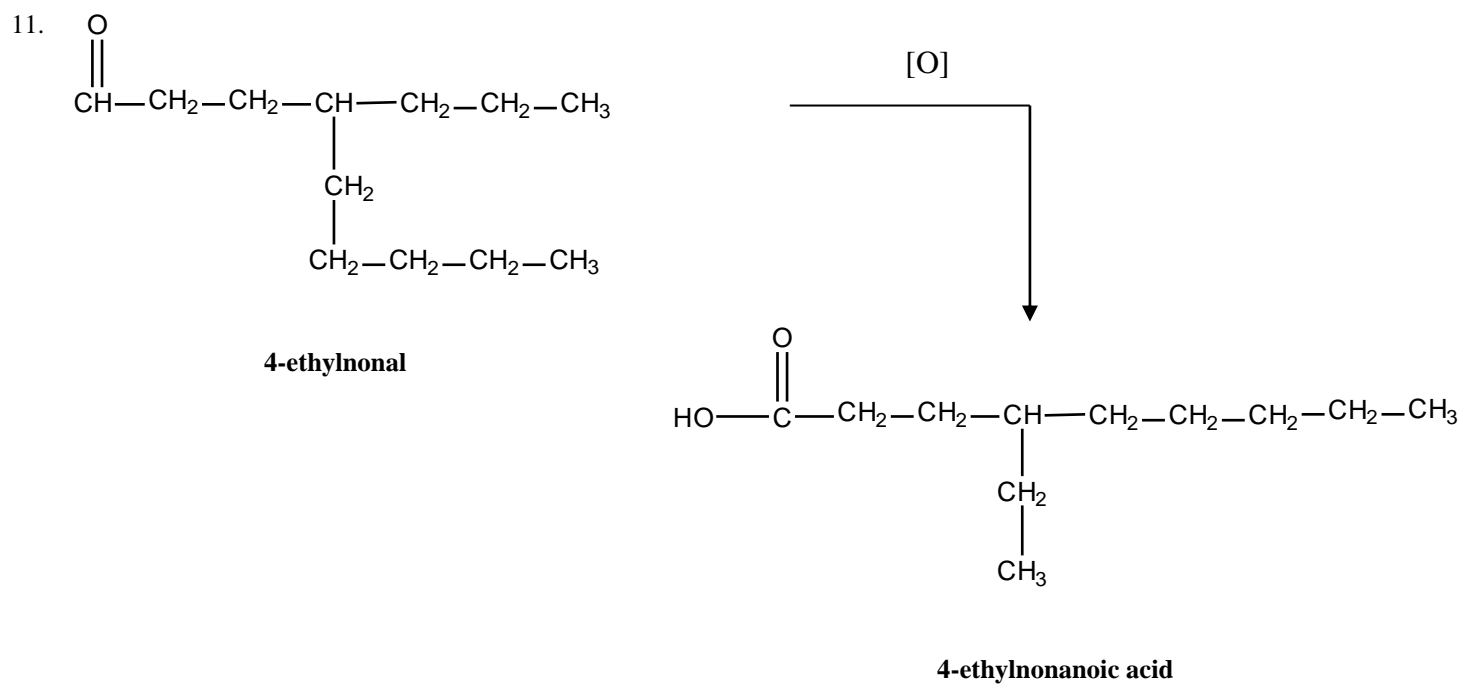
Pentane **1-Chloropentane**
- +
- $$\text{CH}_3\text{—CH}_2\text{—CH}_2\text{—}\underset{\text{Cl}}{\text{CH}}\text{—CH}_3$$
- 2-Chloropentane**
- +
- $$\text{CH}_3\text{—CH}_2\text{—}\underset{\text{Cl}}{\text{CH}}\text{—CH}_2\text{—CH}_3$$
- 3-Chloropentane**
- +
- HCl
3.
$$\text{CH}_3\text{—CH}_2\text{—CH}_2\text{—OH} \xrightarrow{[\text{O}]} \text{CH}_3\text{—CH}_2\text{—}\overset{\text{O}}{\parallel}\text{C—H}$$

1-Propanol **Propanal**
4.
$$\text{CH}_3\text{—}\underset{\text{CH}_3}{\text{CH}}\text{—}\overset{\text{OH}}{\text{CH}}\text{—CH}_2\text{—CH}_3 \xrightarrow{[\text{O}]} \text{CH}_3\text{—}\underset{\text{CH}_3}{\text{CH}}\text{—}\overset{\text{O}}{\parallel}\text{C—CH}_2\text{—CH}_3$$

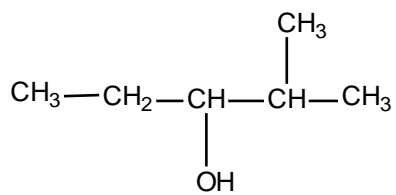
2-methyl-3-pentanol **2-methyl-3-pentanone**
5.
$$\text{CH}_3\text{—CH}_2\text{—}\overset{\text{O}}{\parallel}\text{C—OH} + \text{CH}_3\text{—CH}_2\text{—}\underset{\text{OH}}{\text{CH}_2} \longrightarrow \text{CH}_3\text{—CH}_2\text{—}\overset{\text{O}}{\parallel}\text{C—O—CH}_2\text{—CH}_2\text{—CH}_3$$

Propanoic Acid **1-Propanol** **1-propyl propanoate**

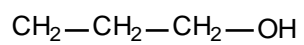
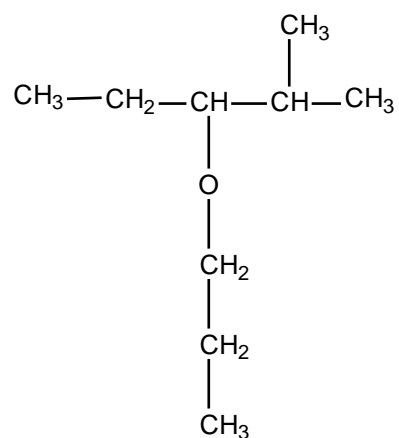




14.

**2-methyl-3-pentanol**

+

**1-propanol****2-methyl-3-propoxypanatne**


[Home](#)