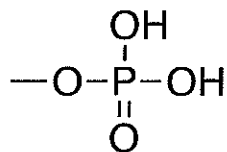


Practice Problems-More organic (18)

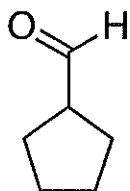
I Name the following by functional group:

A



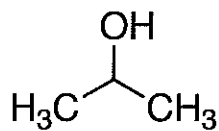
Phosphate ester

B



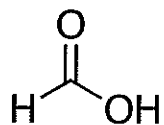
Aldehyde

C



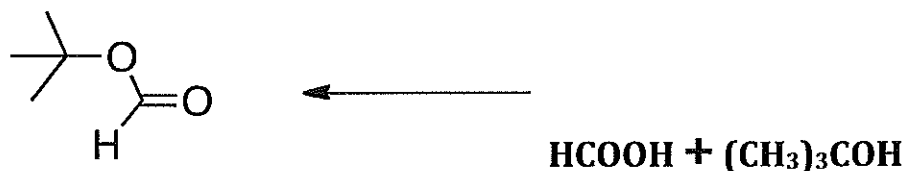
Alcohol

D

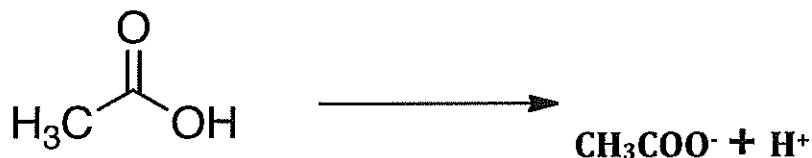


Carboxylic acid

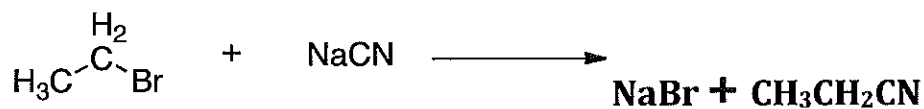
II Give the structure of 2 compounds used in the synthesis of:



III Draw a curved arrow representation of the ionization of:



IV Draw curved arrows and show the structure of the products:



V

Name two electrophilic groups **Ketone** **Carboxylic acid**

Name two nucleophilic groups **Thiol** **Amino**

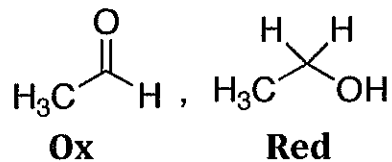
A reducing agent is an electron **Donor**

Curved arrow represent the movement of **An electron pair**

VI Identify the reducing and oxidizing agent in these pairs.

A Ce^{4+} (Ox) , Ce^{3+} (Red)

B



C CO , CH_2O
Ox **Red**
