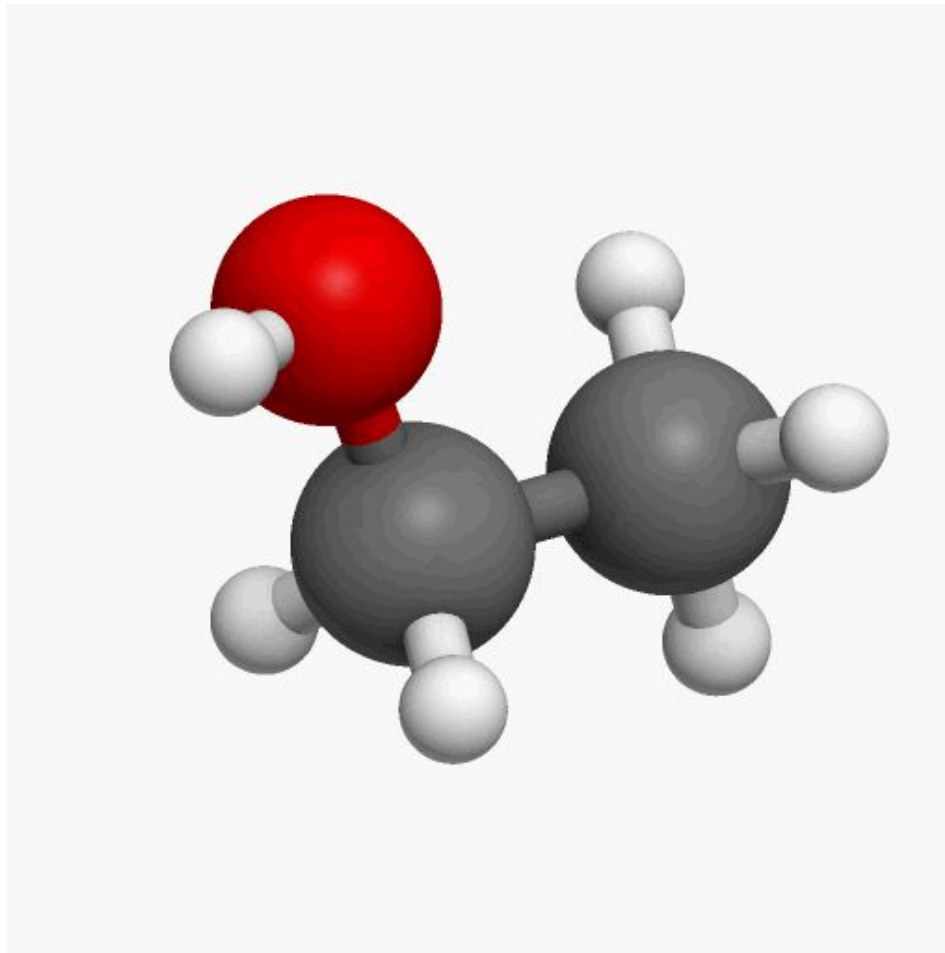
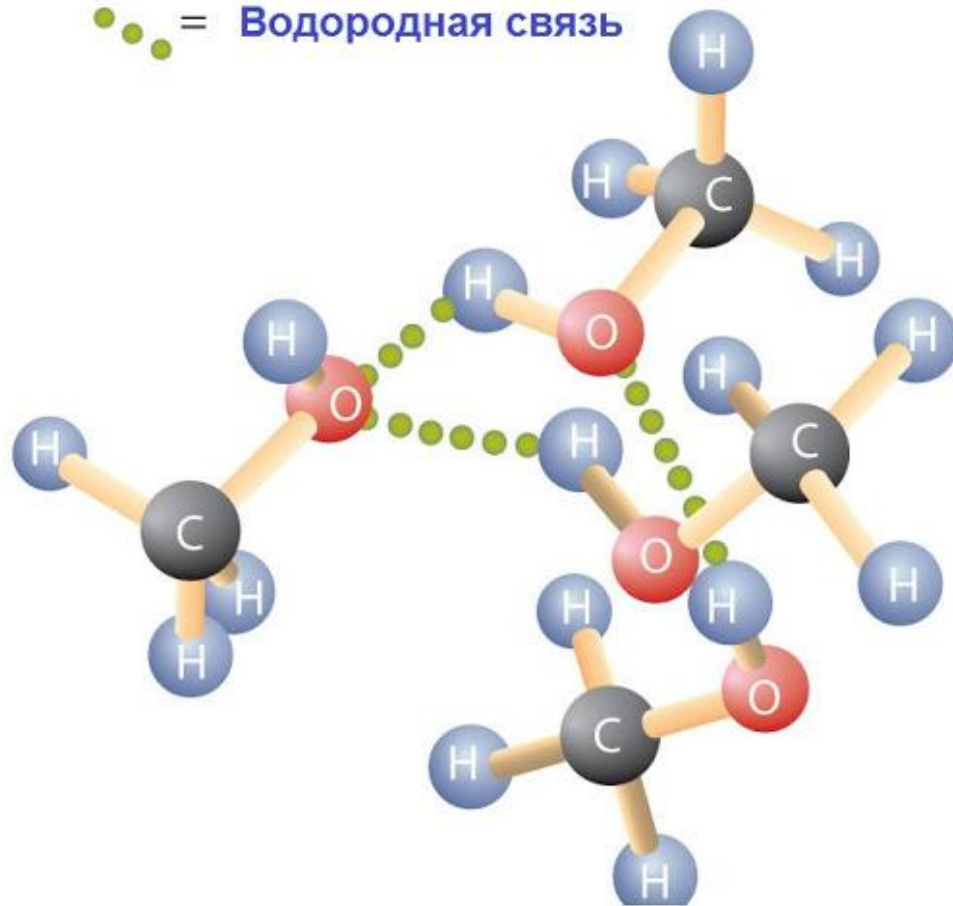


# СПИРТЫ



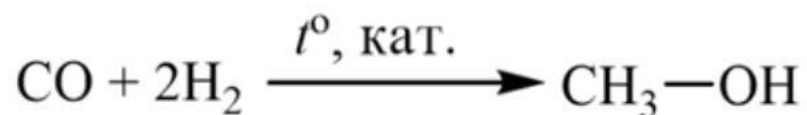
# Строение, классификация, изомерия, физические свойства

••• = Водородная связь

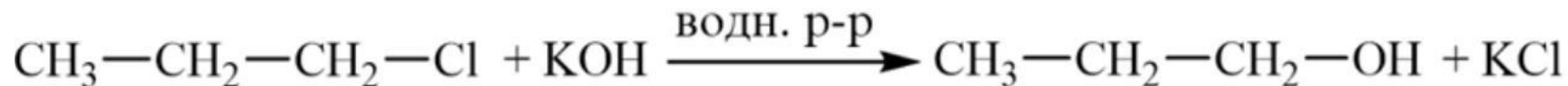
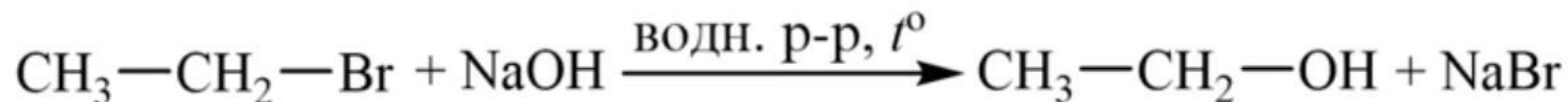
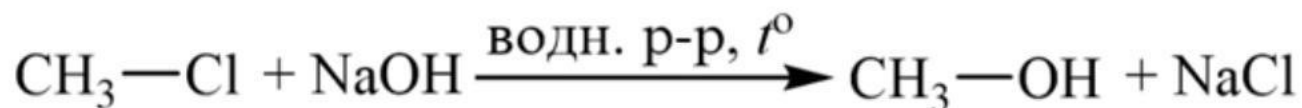


# СПОСОБЫ ПОЛУЧЕНИЯ

## Специфические способы получения метанола и этанола



# Галогеналканы с водным раствором щелочи



# Гидратация алкенов

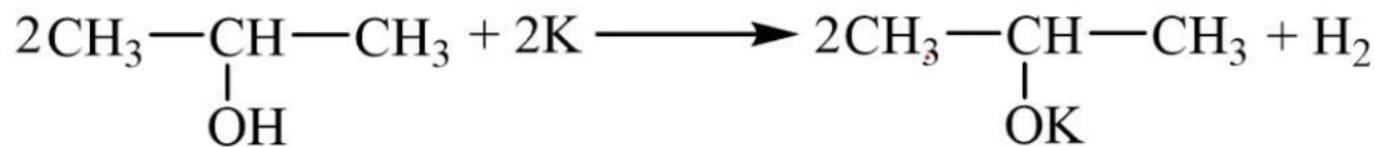
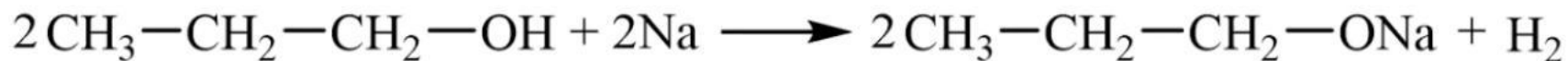
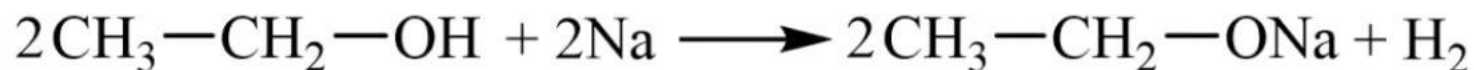
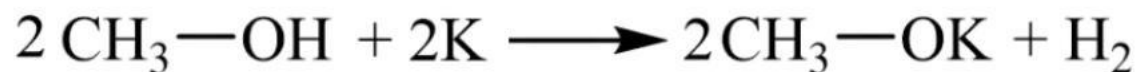
# Гидрирование альдегидов и кетонов

# Химические свойства

## Кислотные свойства, слабее чем у

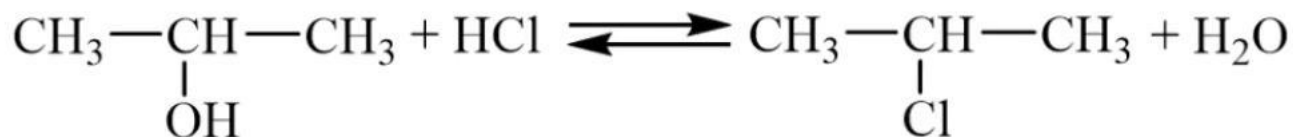
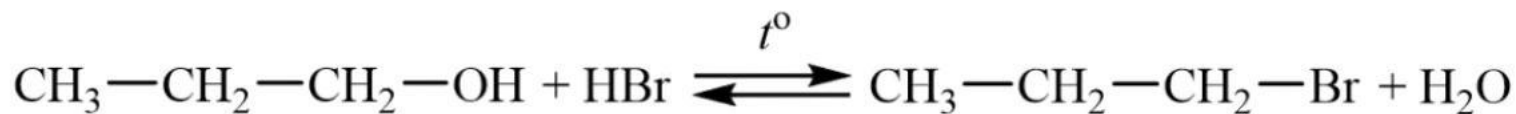
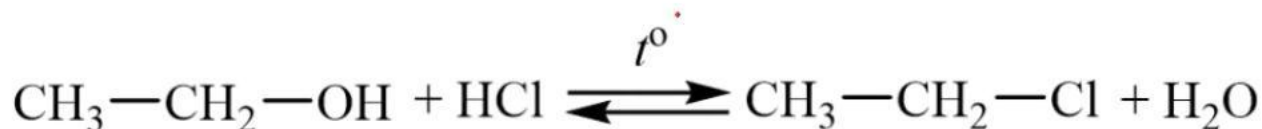
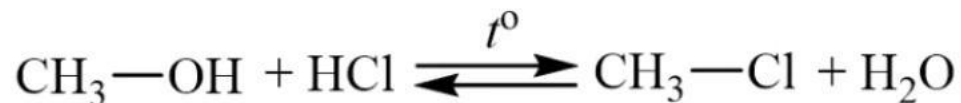
водород

Google



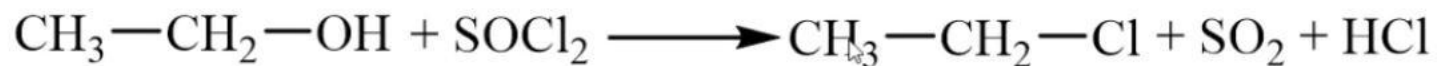
# Замещение группы OH- на атом галогена

9/12/12

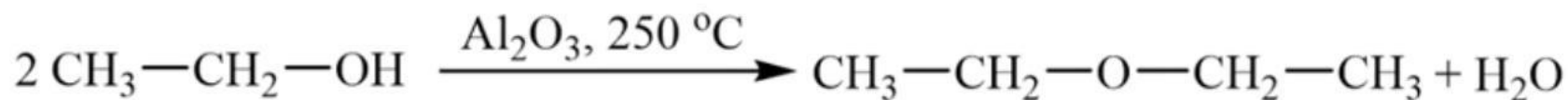
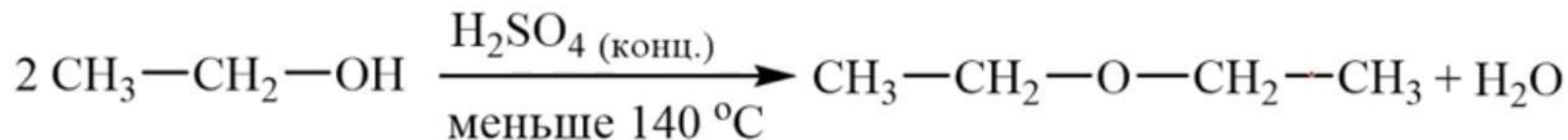
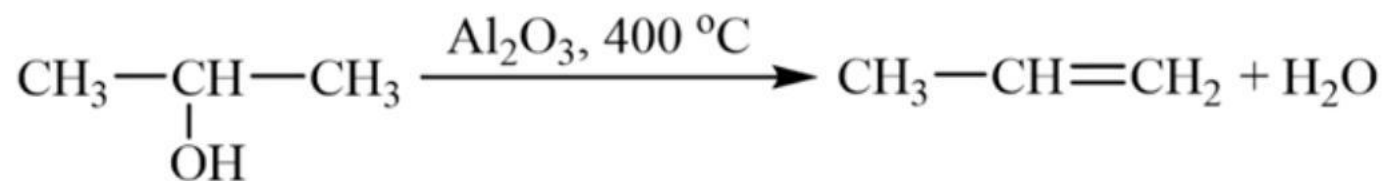
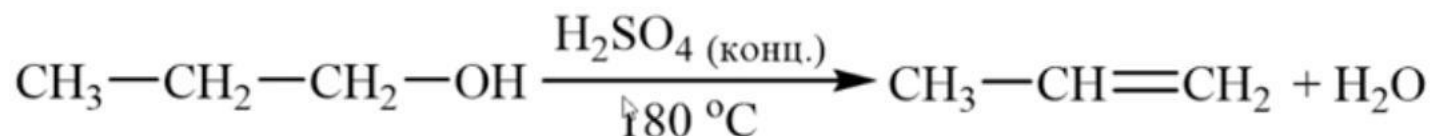




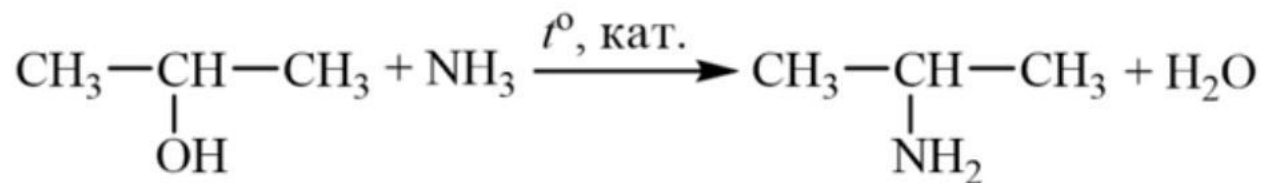
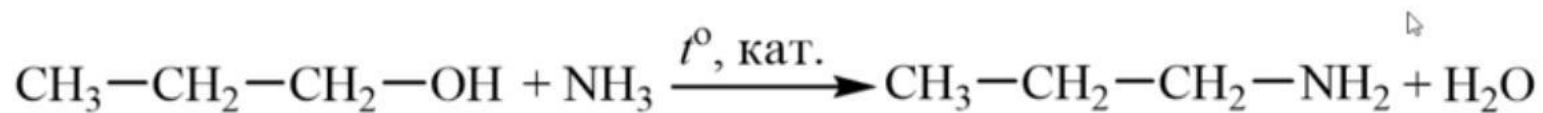
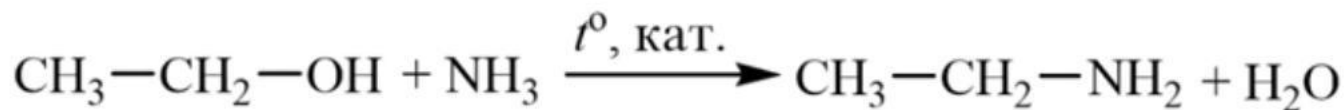
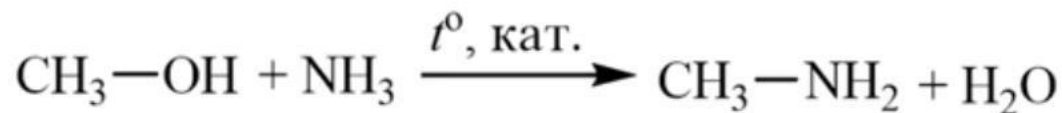
# Необратимо!



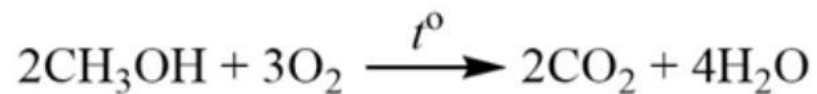
# Внутримолекулярная и межмолекулярная дегидратация



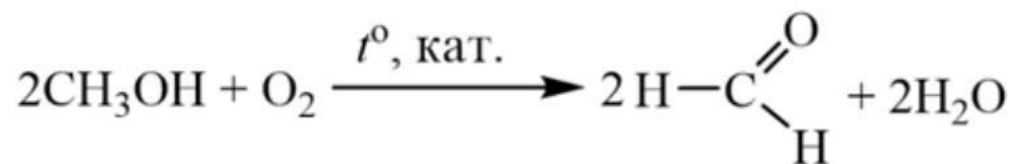
# С аммиаком



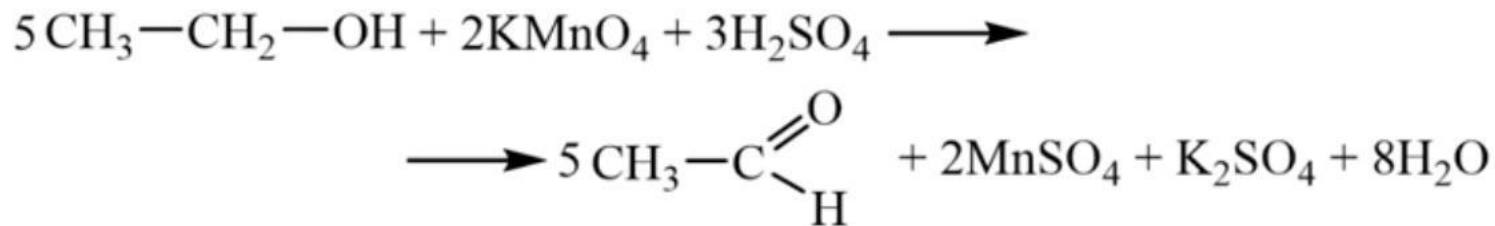
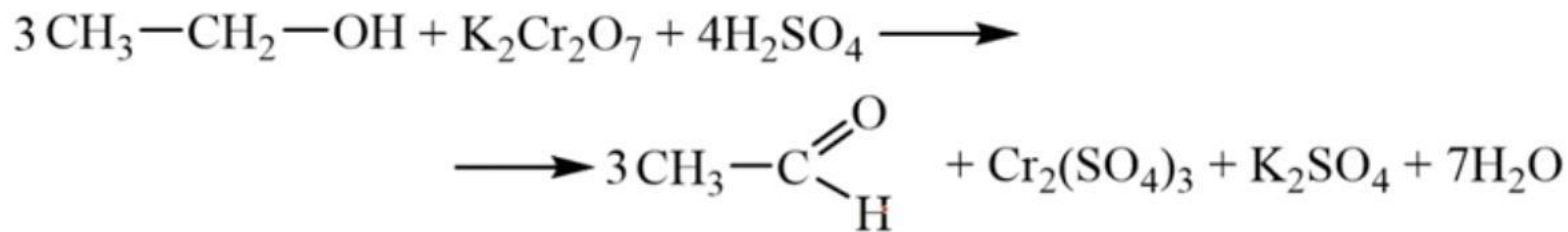
# Реакции окисления



↳

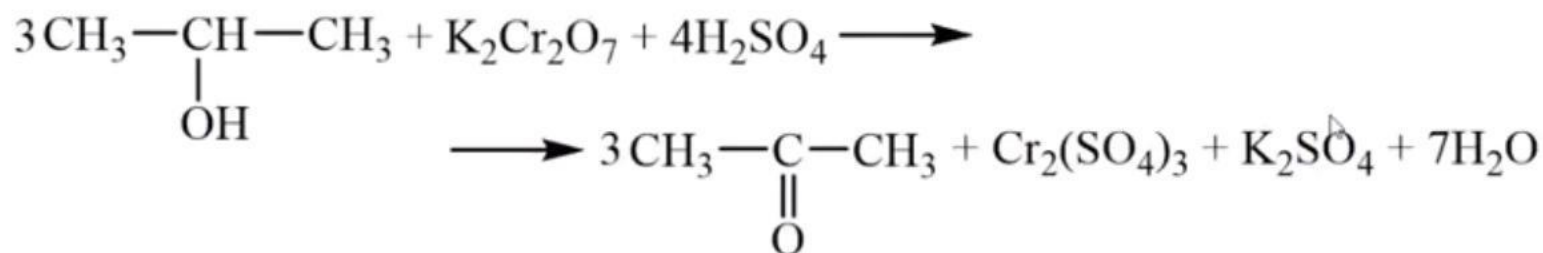
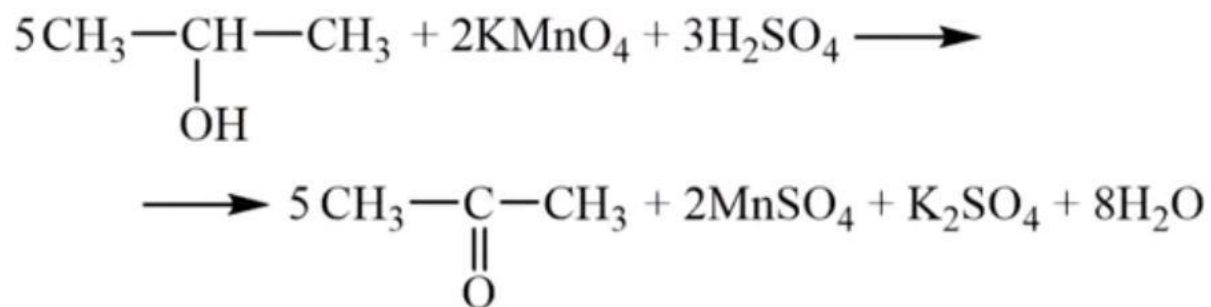


# Окисление перманганатом и дихроматом калия



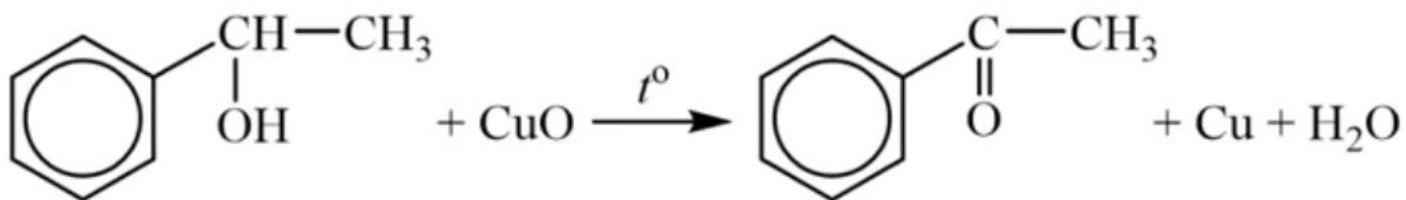
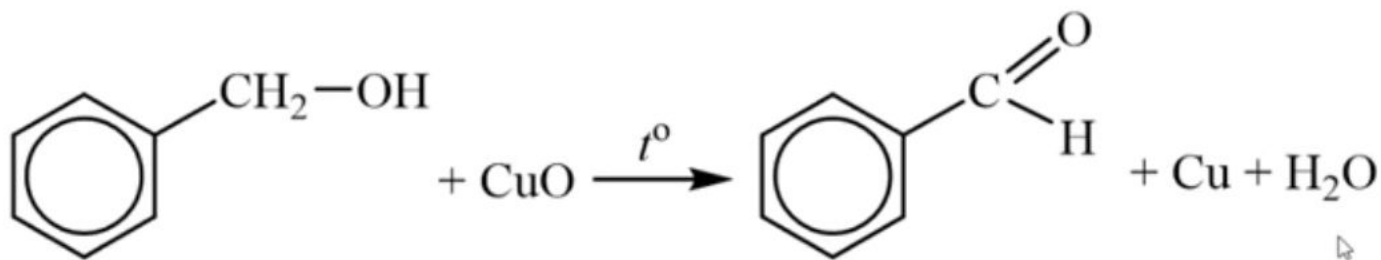
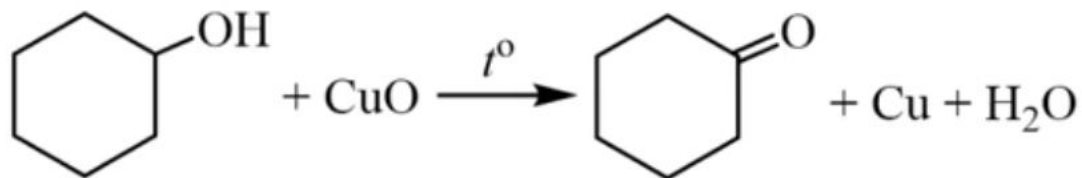
# Вторичные – до кетонов

2/2/2019

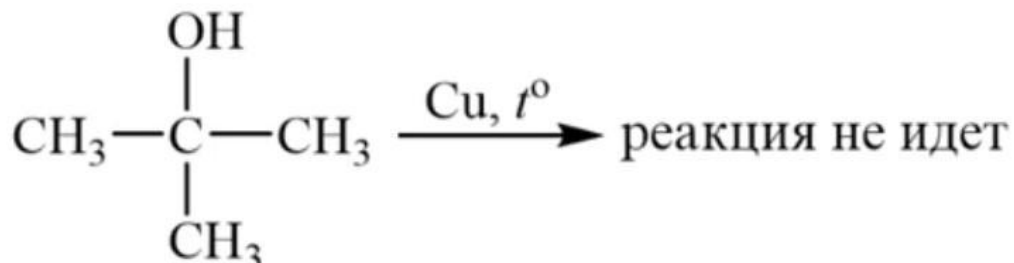
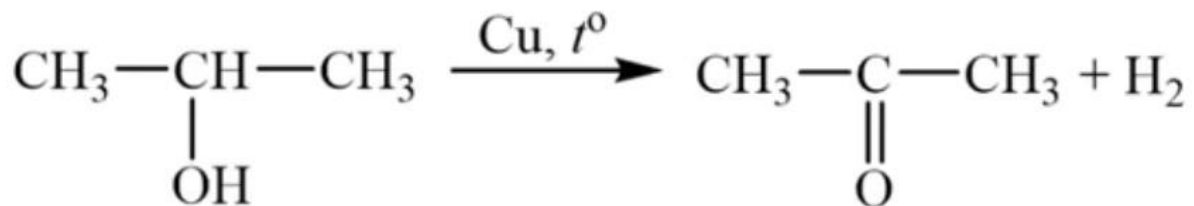
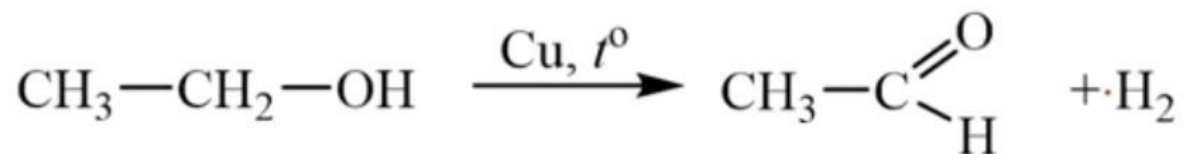
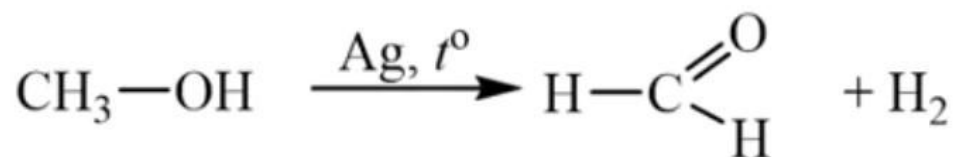


# Окисление оксидом меди (II)

zglb

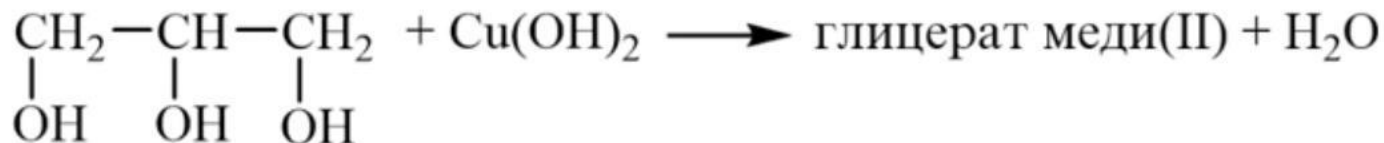
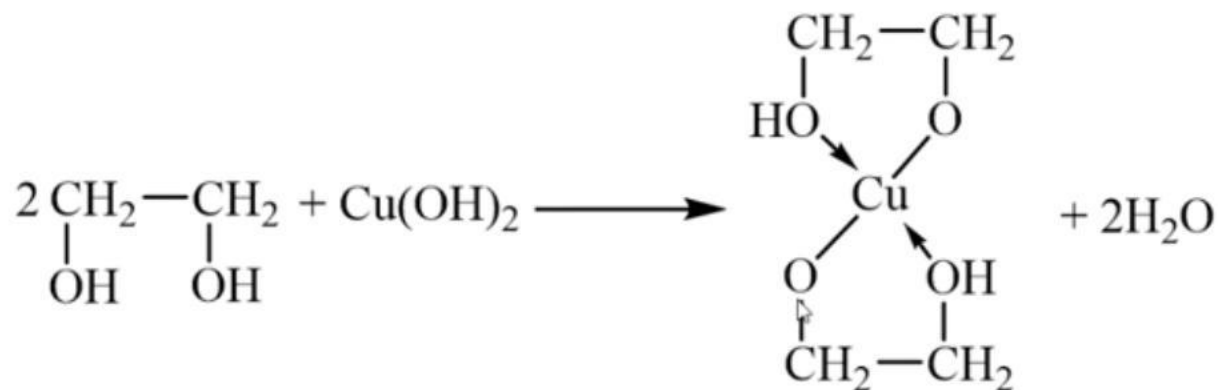


# Дегидрирование

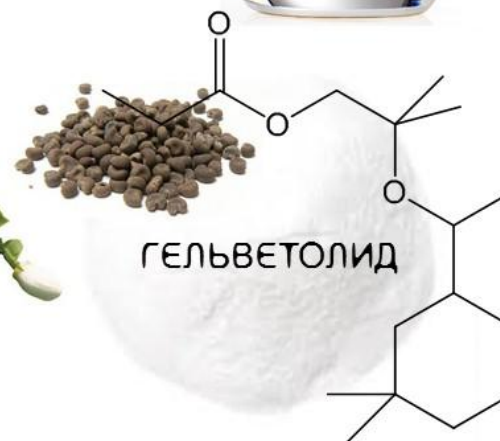
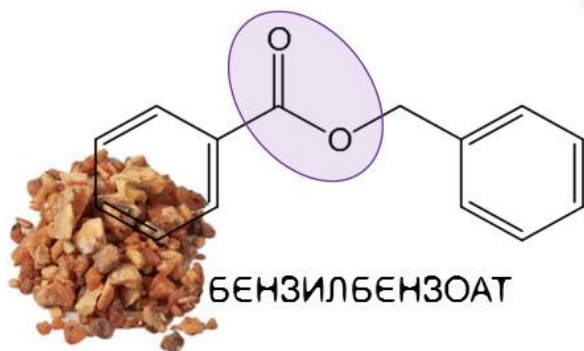
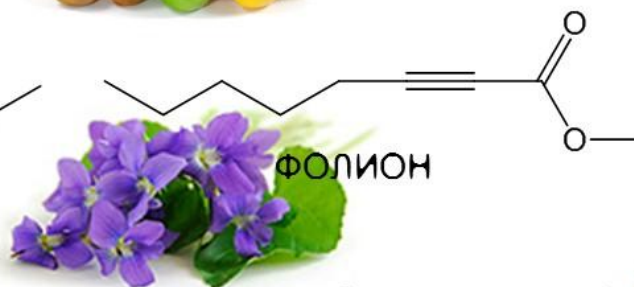
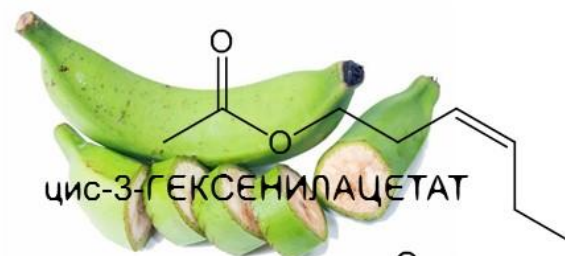
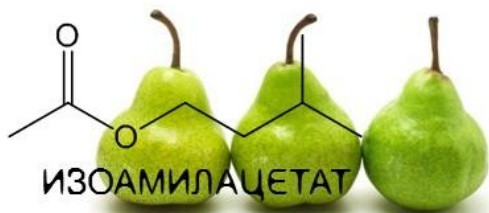


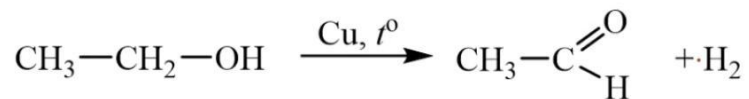
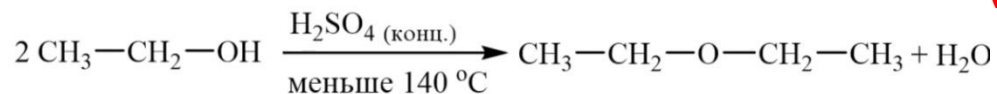
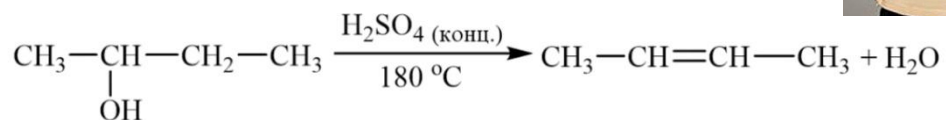
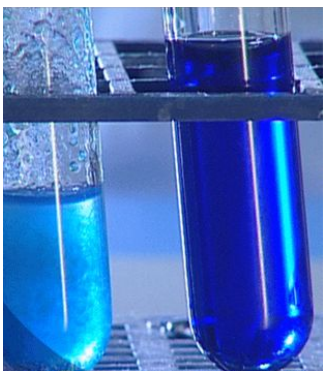


# Качественная реакция на многоатомные спирты!

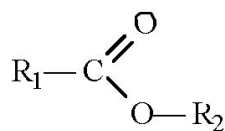


# Этерификация

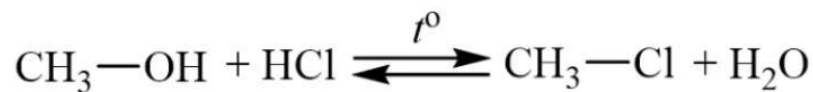




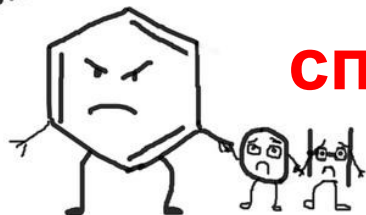
**NaOH  
(раствор)**



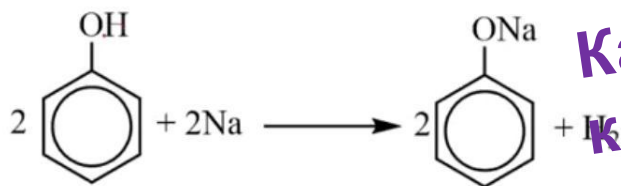
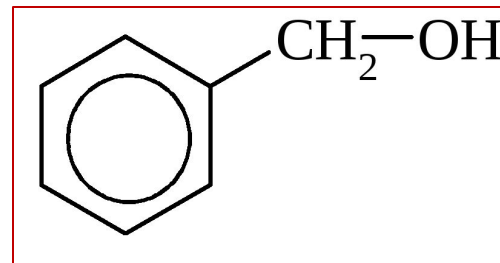
сложный эфир



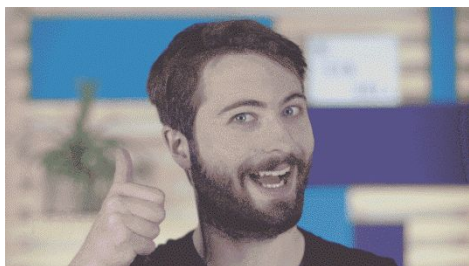
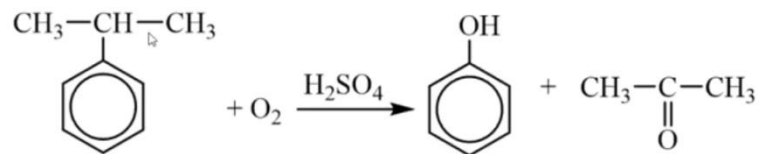
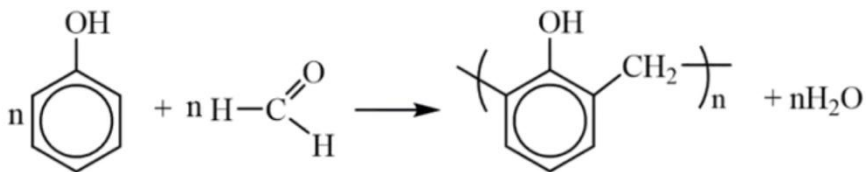
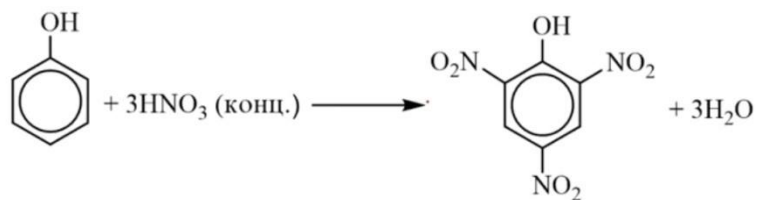
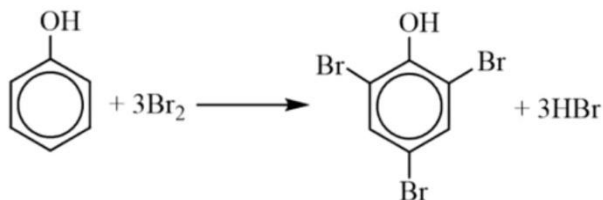
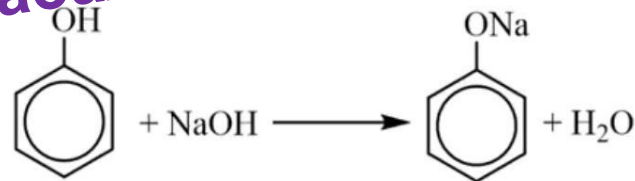
ЗЛОЙ  
ФЕНОЛ  
ГИДРОКСОГРУППУ  
ДОМОЙ  
ВЁЛ



Я не  
спирт!



Карболовая слабая  
кислота



Я не  
спирт!  
NaOH



HHal

