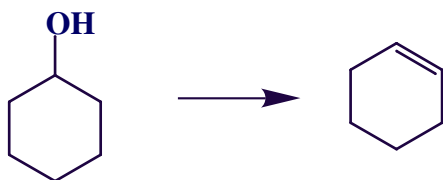


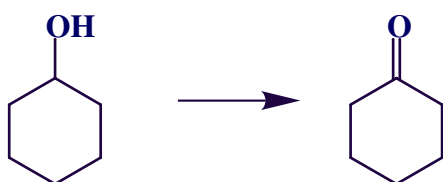
# Exercices (Alcools)

1) Montrez comment il est possible de faire les transformations suivantes :

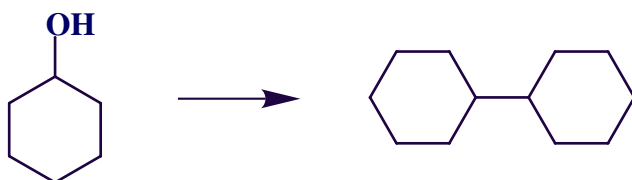
a)



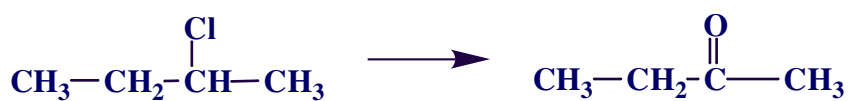
b)



c)



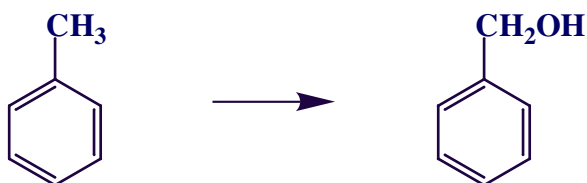
d)



e)



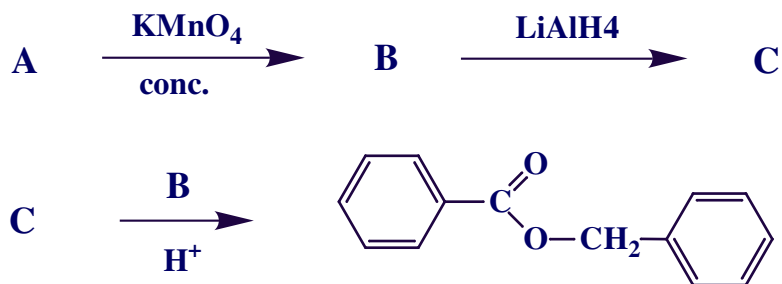
f)



g)

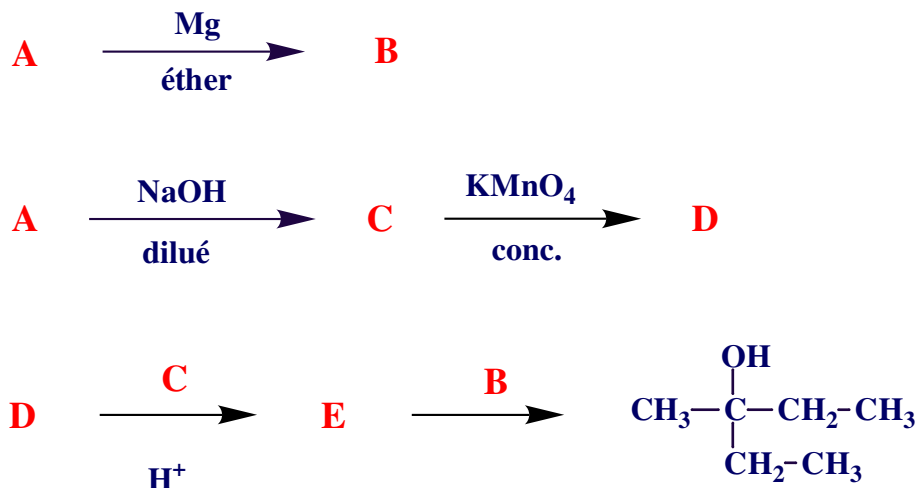


2) Remplacez les lettres par les formules semi-développées.



3) Préparer avec le meilleur rendement possible du but-2-ène à partir de l'éthanol (seule substance organique permise).

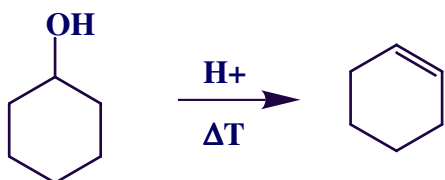
4) Remplacez les lettres par les formules semi-développées.



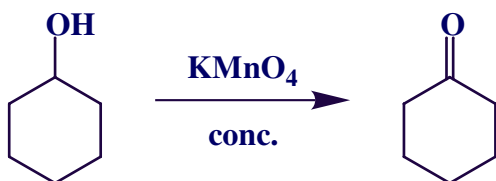
5) Les résultats de différents tests nous permettent d'identifier le composé X de formule  $\text{C}_4\text{H}_{10}\text{O}$ . Le composé X réagit avec du sodium métallique. Il ne donne pas de précipité d'argent avec le réactif de Tollen's. L'oxydation du composé X ne donne qu'un seul composé. Donner la structure du composé X.

# Solutionnaire

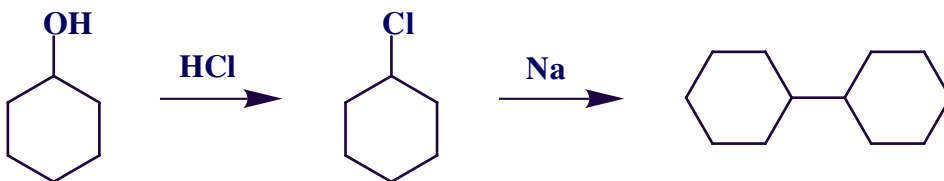
1. a)



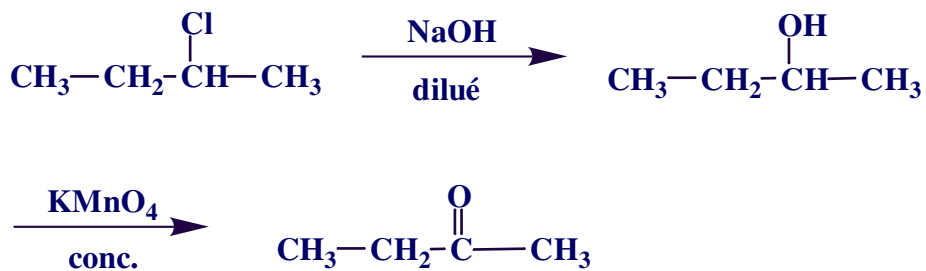
b)



c)



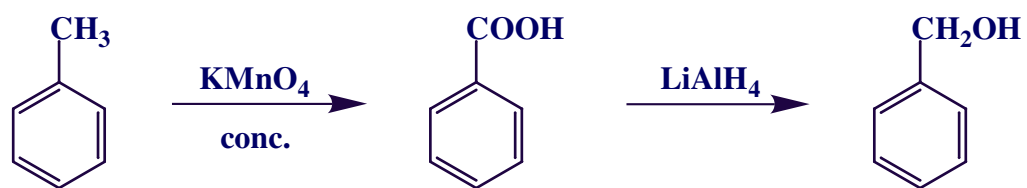
d)



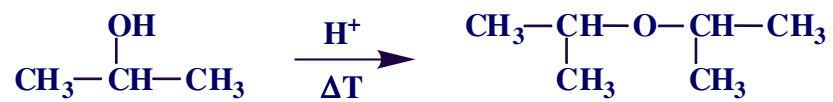
e)



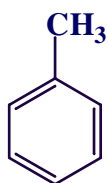
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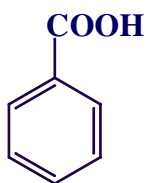
g)



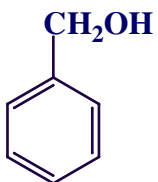
2. A



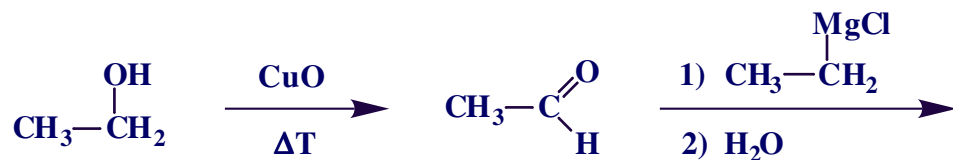
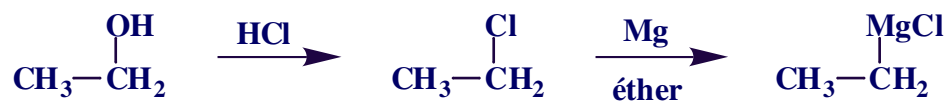
B



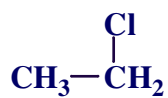
C



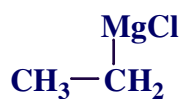
3.



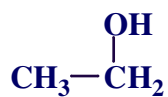
4) **A**



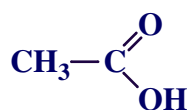
**B**



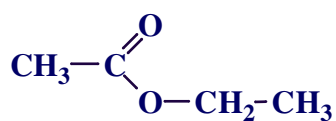
**C**



**D**



**E**



5.

