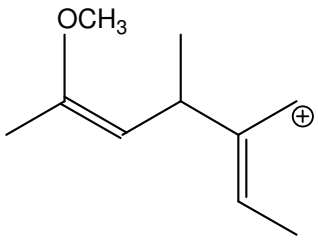
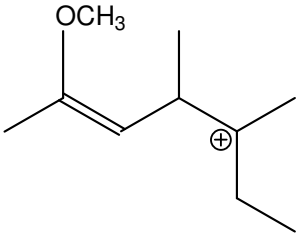
Examen Final en Chimie Organique (90 mn)

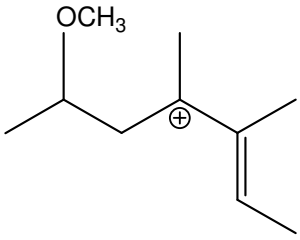
Cheating won't get you anywhere in life.

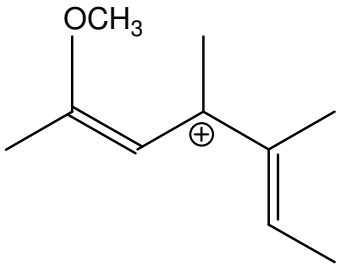
Exercice n°1 (01 pts)

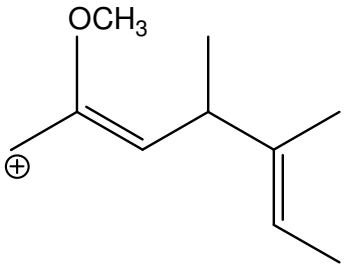
Parmi les 5 carbocations suivants, lequel est le plus stable? Justifiez votre réponse.

a) 

b) 

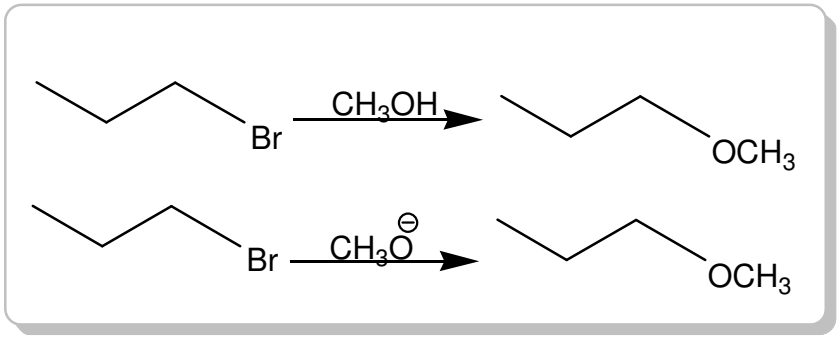
c) 

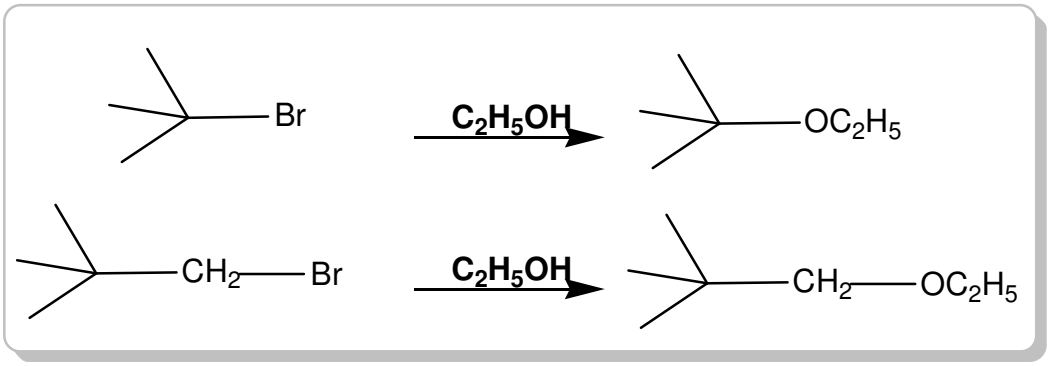
d) 

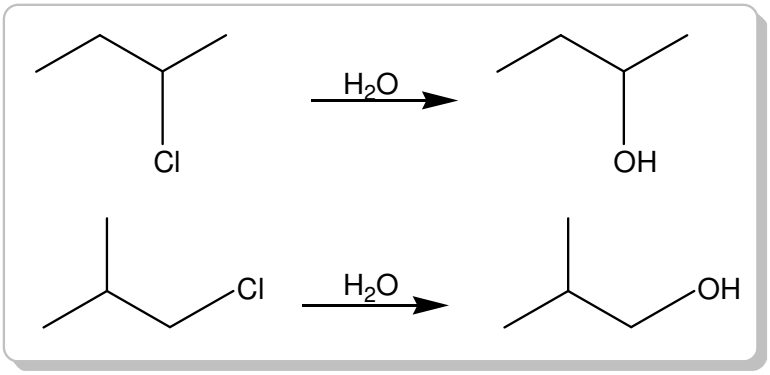
e) 

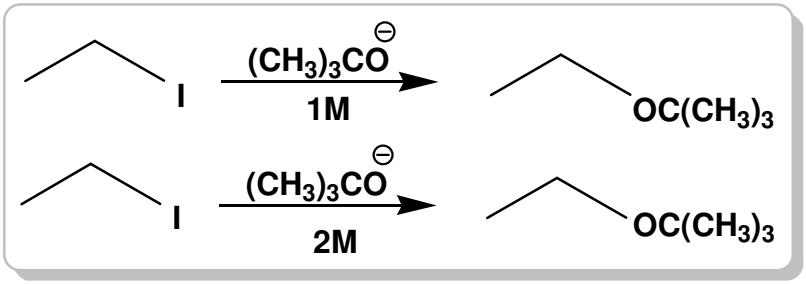
Exercice n°2 (06 pts)

Quelle est la réaction la plus rapide, parmi les paires de réactions suivantes ?




Br
C2H5OH
OC2H5
CH2
Br
C2H5OH
CH2
OC2H5


H2O
Cl
OH
Cl
H2O
OH


(CH3)3CO⊖
1M
I
OC(CH3)3
(CH3)3CO⊖
2M
I
OC(CH3)3

Exercice n°3 (04 pts)

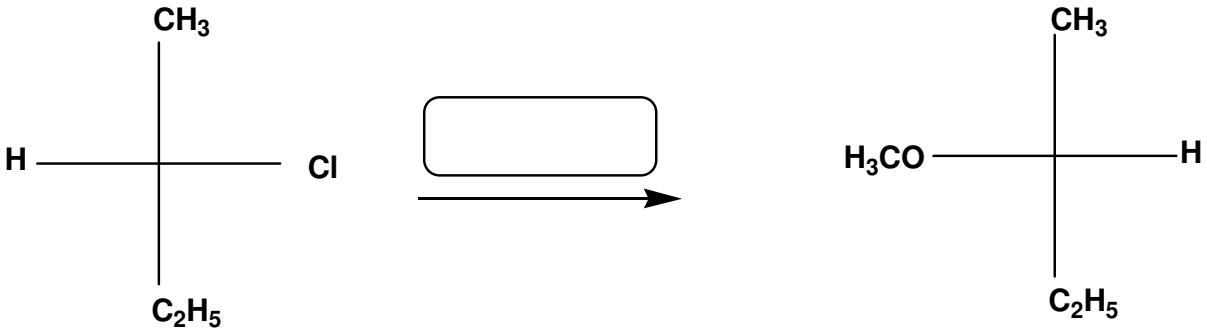
Dans la liste ci-dessous, choisir le meilleur Nucléophile pour les réactions de Substitution suivantes. Justifiez vos réponses.

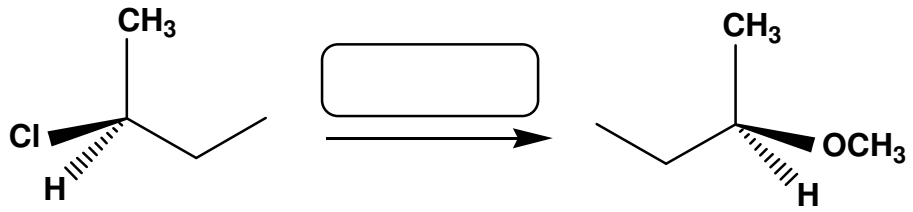
a) H_2O

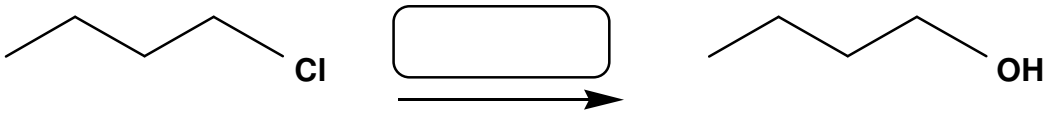
b) NaOH

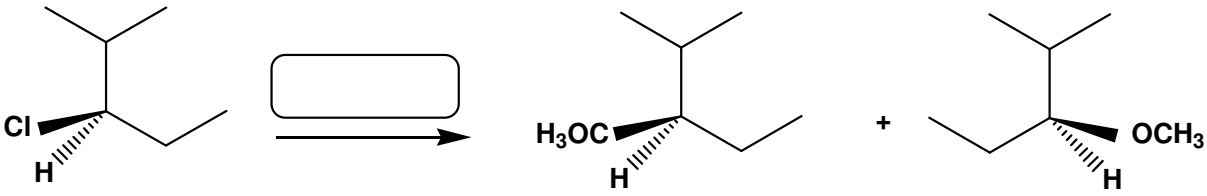
c) $CH_3O^-Na^+$

d) CH_3OH



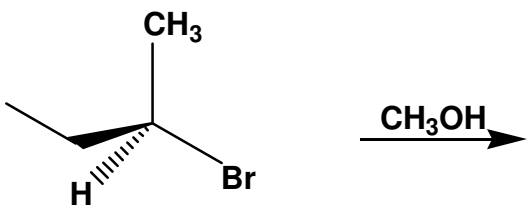


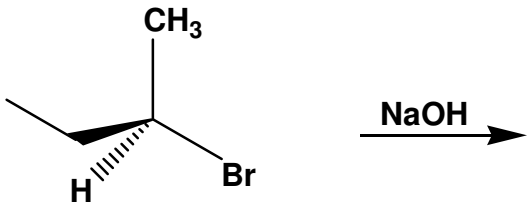




Exercice n°4 (02 pts)

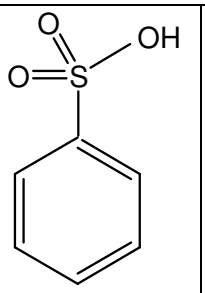
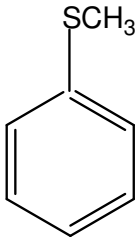
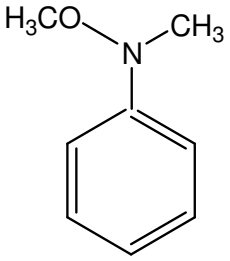
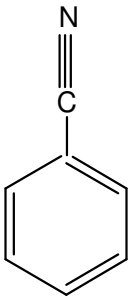
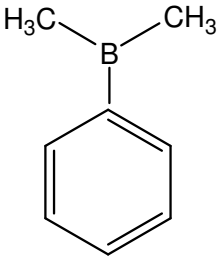
Compléter les réactions suivantes :



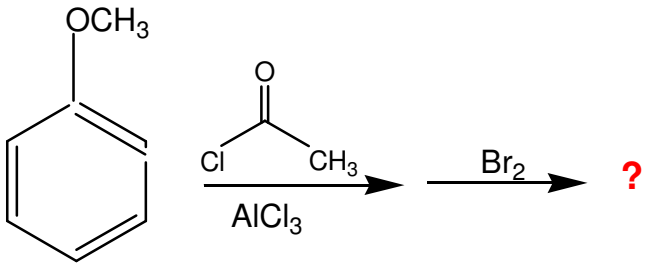


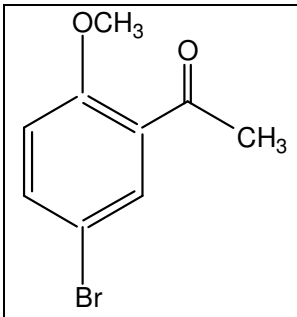
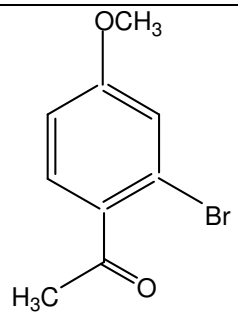
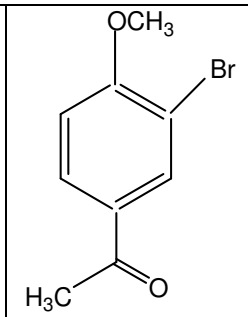
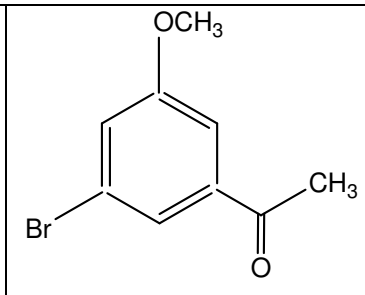
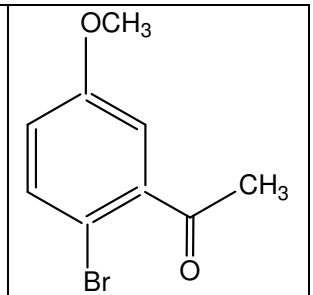
Exercice n°5 (03 pts)

1) Les composés suivants sont-ils **PLUS réactifs** ou **MOINS réactifs** que le benzène ? Justifiez vos réponses.

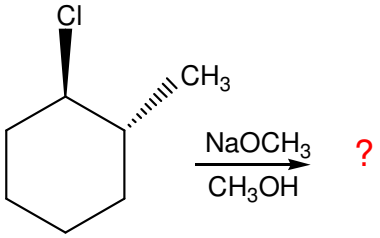
2) Quels sont les composés qui correspondraient aux produits de la réaction de substitution électrophile (**SE**) suivante ?

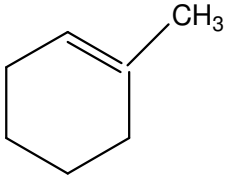
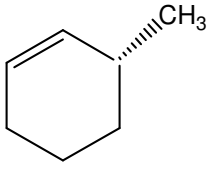
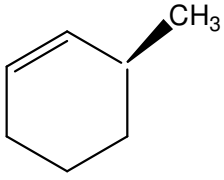
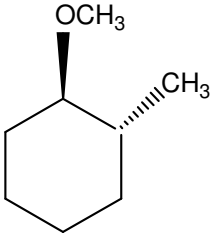


Exercice n°6 (02 pts)

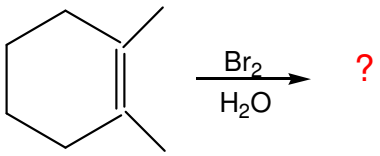
Quels sont les composés qui correspondraient aux produits de la réaction d'**élimination** suivante ?

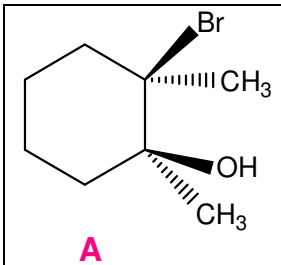
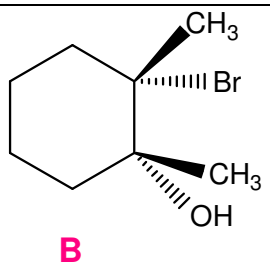
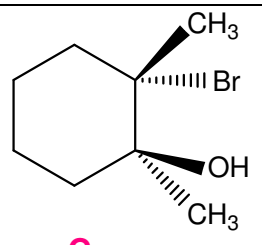
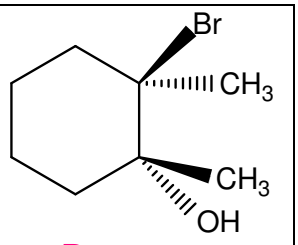


 A	 B	 C	 D

Exercice n°7 (02 pts)

Quels sont les composés qui correspondraient aux produits de la réaction d'addition électrophile (**AE**) suivante ?



 A	 B	 C	 D

Il est interdit d'écrire au stylo rouge