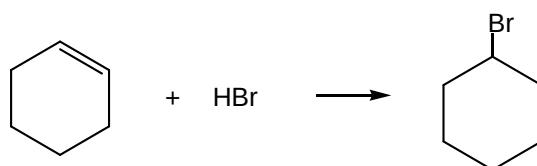
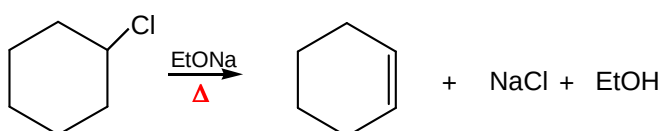
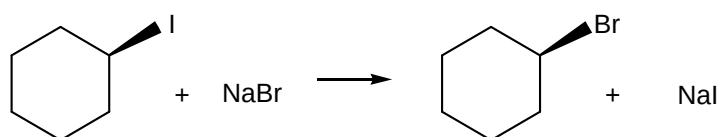
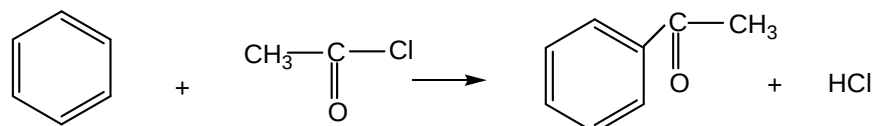


*Travaux dirigés (2011-2012)***Exercice n°1**

A quel type de réactions, correspond chacune des équations bilan suivantes ?

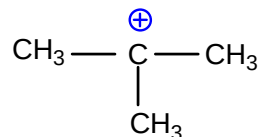
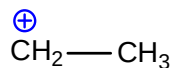
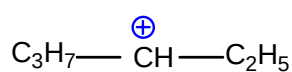
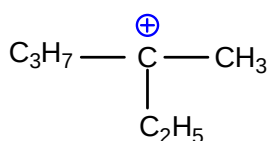
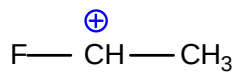
**Exercice n°2**

Classer les solvants ci-dessous en 3 catégories: **solvants apolaires**, **solvants polaires protiques** et **solvants polaires aprotiques**.

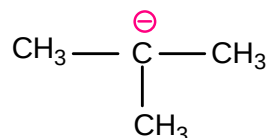
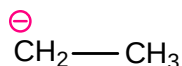
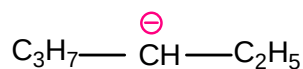
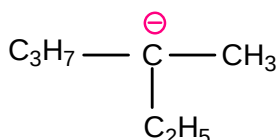
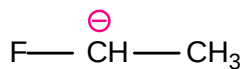
- 1) Diméthylsulfoxyde ou DMSO : $(\text{CH}_3)_2\text{S}=\text{O}$
- 2) Ethanol : $\text{CH}_3\text{CH}_2\text{OH}$
- 3) Acétonitrile : $\text{CH}_3\text{C}\equiv\text{N}$
- 4) Diméthylacétamide ou DMA : $(\text{CH}_3)_2\text{N}-\text{C}(\text{CH}_3)=\text{O}$
- 5) Acétone : $(\text{CH}_3)_2\text{C}=\text{O}$
- 6) Eau : H_2O
- 7) Cyclohexane : C_6H_{12}
- 8) Hexaméthylphosphoramide ou HMPA : $((\text{CH}_3)_2\text{N})_3\text{P}=\text{O}$

Exercice n°3

Classer les **carbocations** par ordre de **stabilité croissante** :

**Exercice n°4**

Classer les **carbanions** par ordre de **stabilité croissante** :

**Exercice n°5**

Préciser le **caractère électrophile** ou **nucléophile** des molécules et ions suivants :

