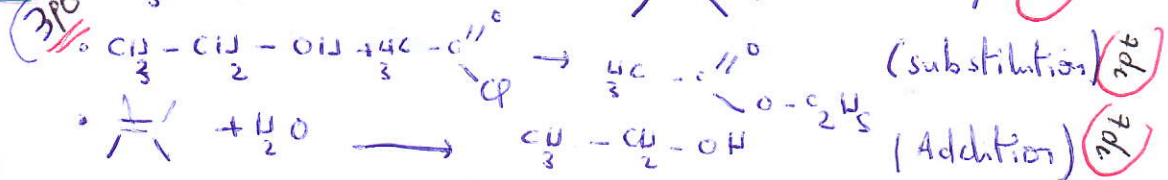
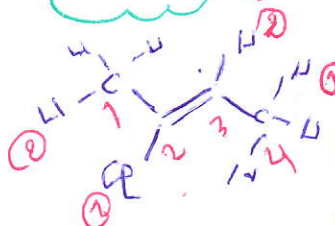


Question de cours:  $\text{CH}_3-\text{CH}_2-\text{OH} + \text{NaOH} \rightarrow$  (Elimination) 1pt



20/20

ex101 8pt

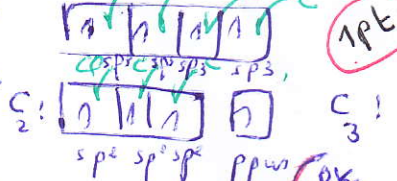


G: fondamental:  $1s^2 2s^2 2p^2$  0,5pt

excité:  $1s^2 2s^1 2p^3$  0,5pt

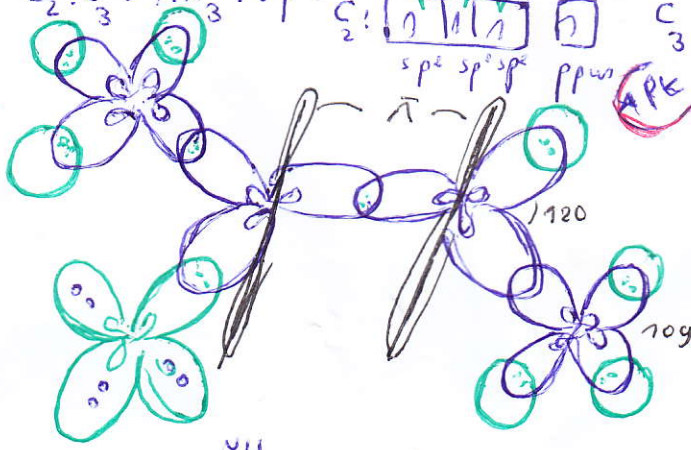
C<sub>1</sub>: C<sub>4</sub>: AX<sub>4</sub>: sp<sup>3</sup> 1pt

C<sub>2</sub>: C<sub>3</sub>: AX<sub>3</sub>: sp<sup>2</sup> 1pt

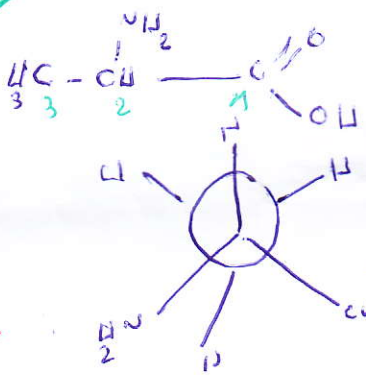
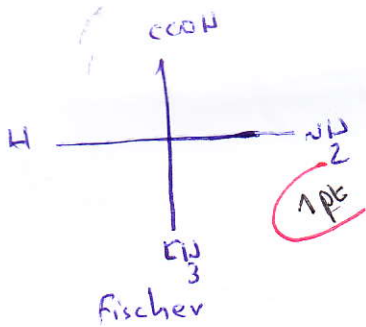


C<sub>3</sub>: 1pt

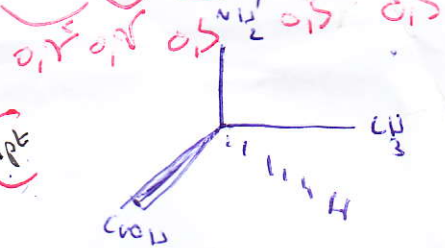
ZZ- chlorobut-2-ène



ex102 5pt

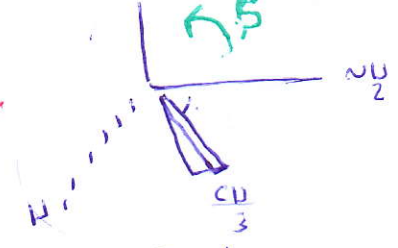
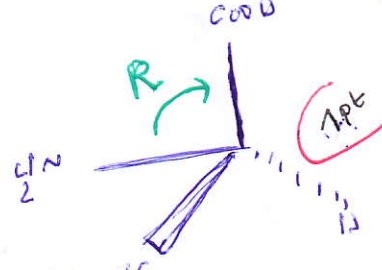


Acide 2-amino propanoïque 2pt

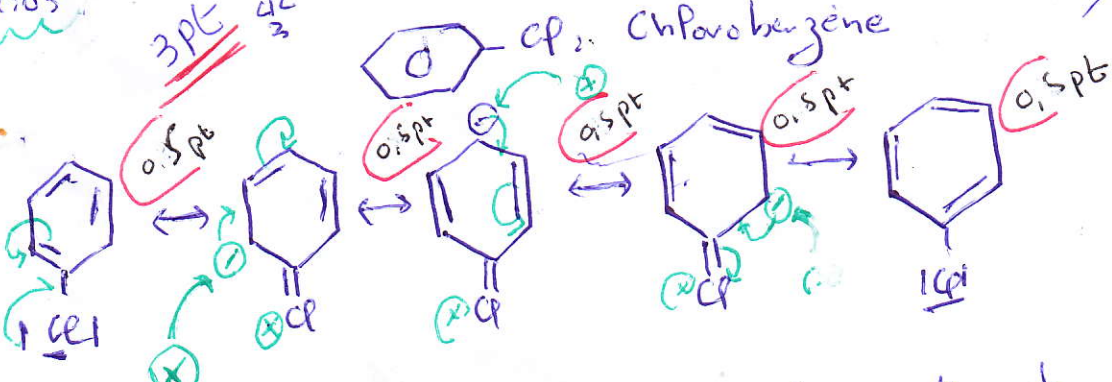


classement des groupes:

1	2	3	4
NH <sub>2</sub>	COOH	CH <sub>3</sub>	H



ex103 3pt



Q: donneur 0,5pt

les sites préférentiels d'attaque sont les positions ortho et para