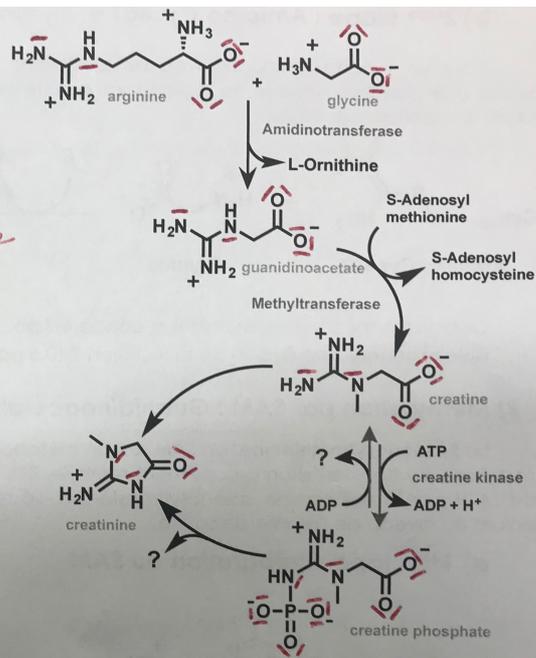


Corrections Examen L2SV - Mai 2018

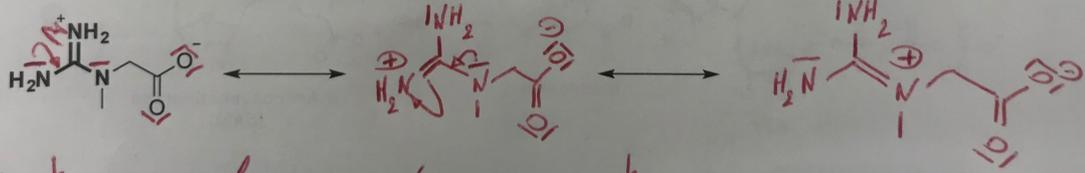
Questions Générales (2 points) :

- Complétez toutes les structures du cycle ci-contre, en rajoutant les doublets non-liants. (2 points)

- 0.25 pt par doublet liant manquant ou faux

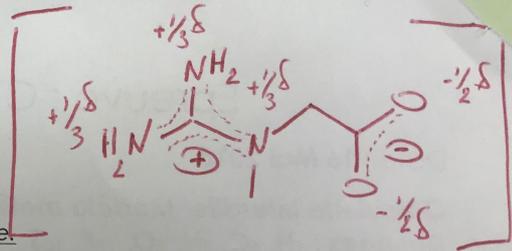


- Dessinez les différentes formes mésomères de la partie guanidinium (en gras) de la créatine. (1 point)



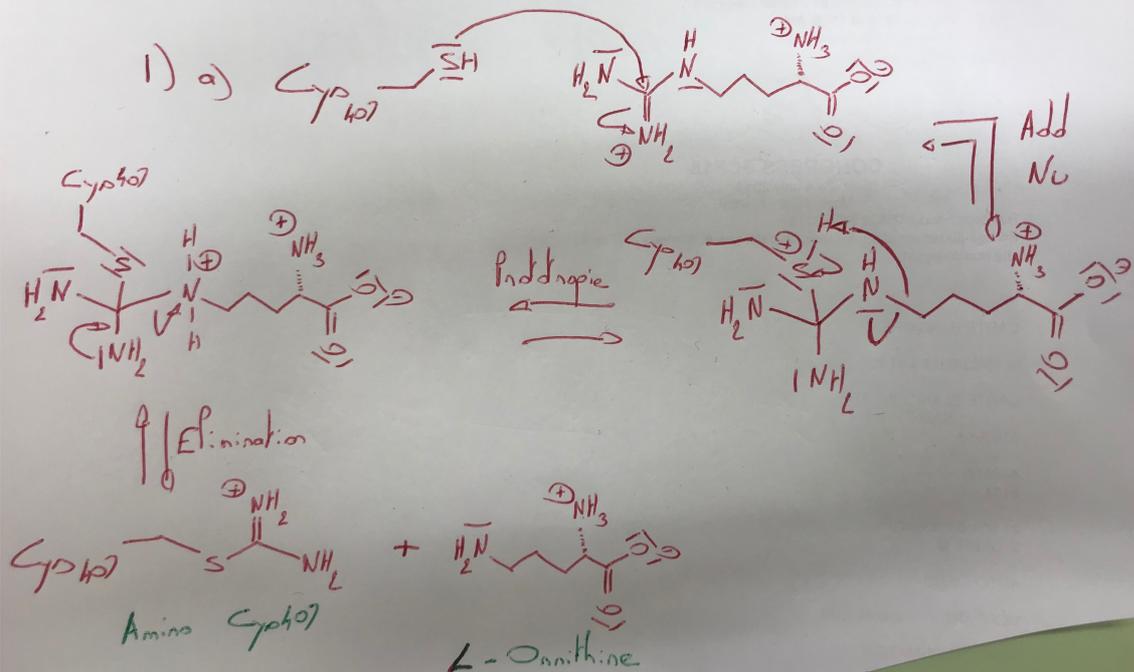
0.5 pt par forme mésomère juste

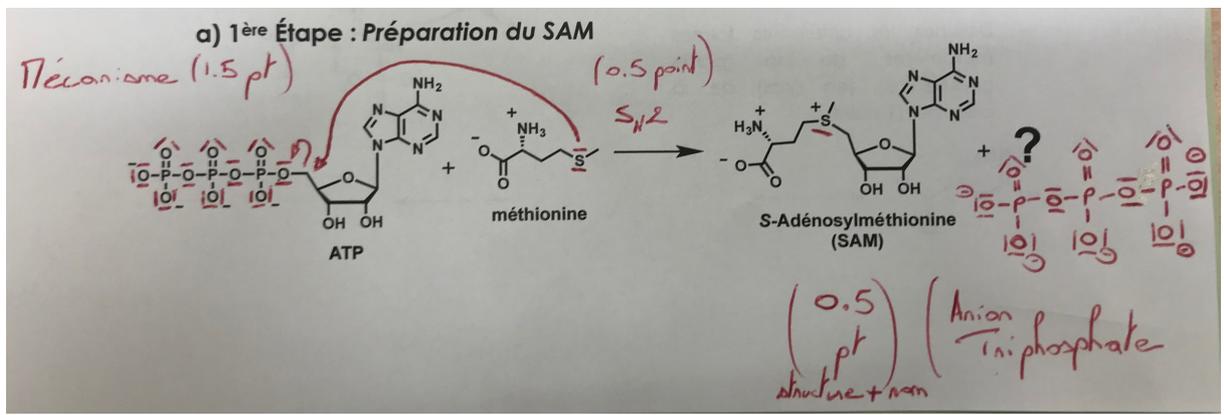
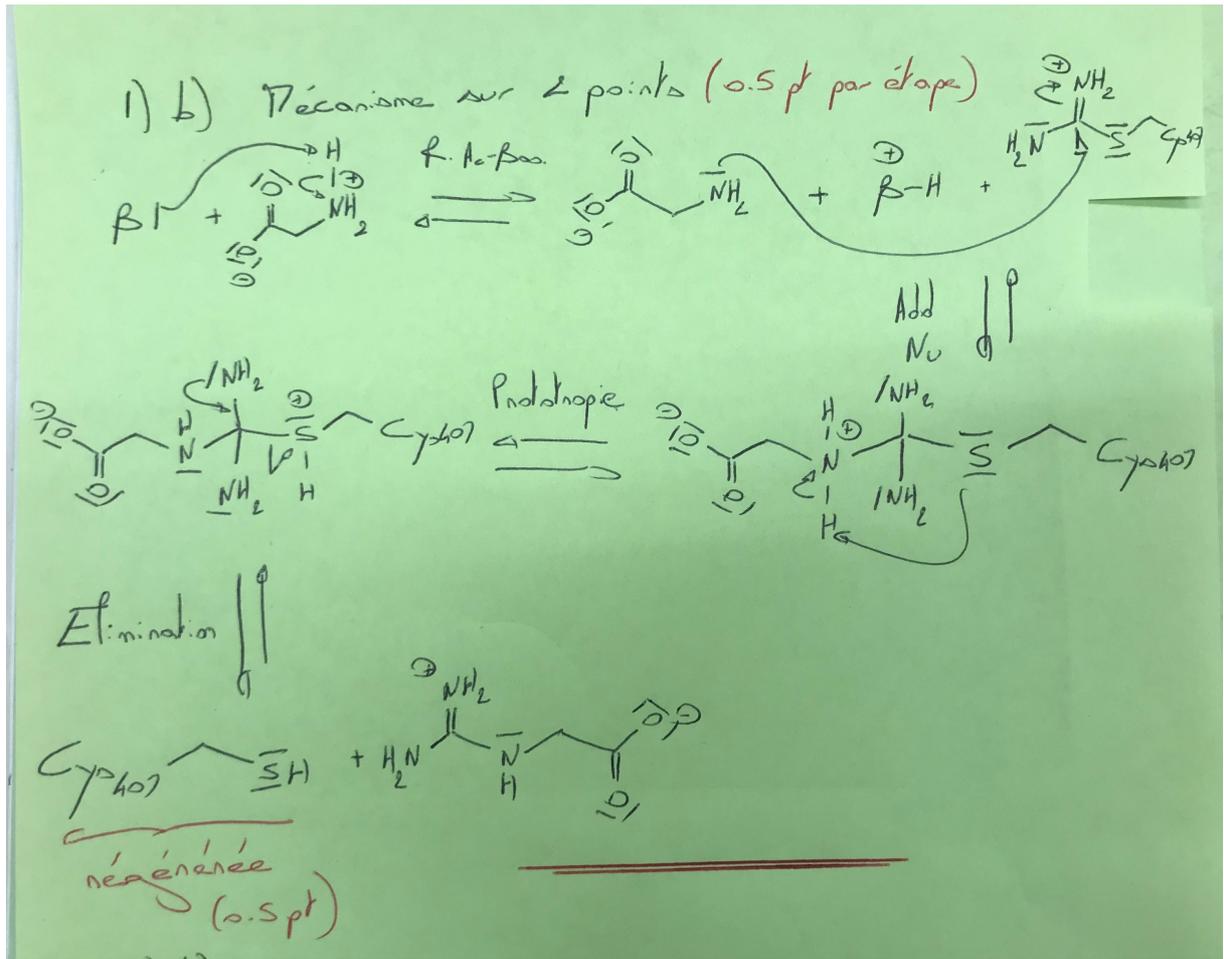
- Représentez l'hybride de résonance. ? (0.5 point)

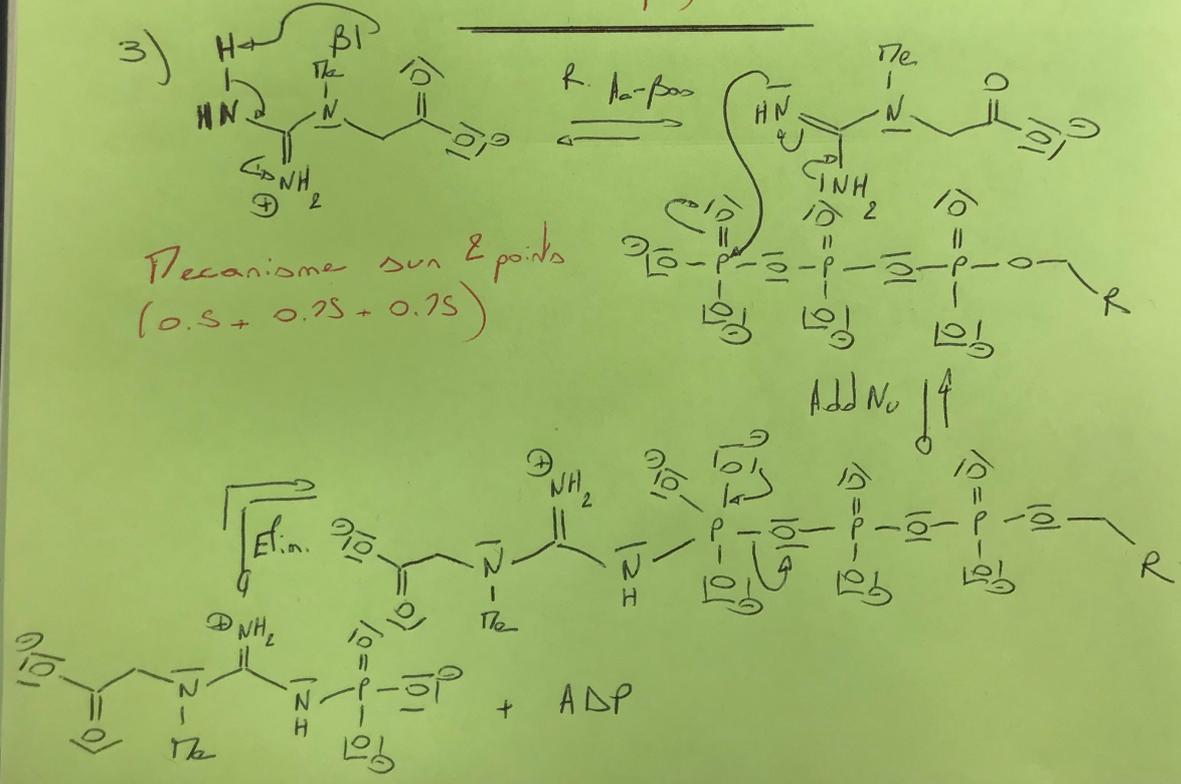
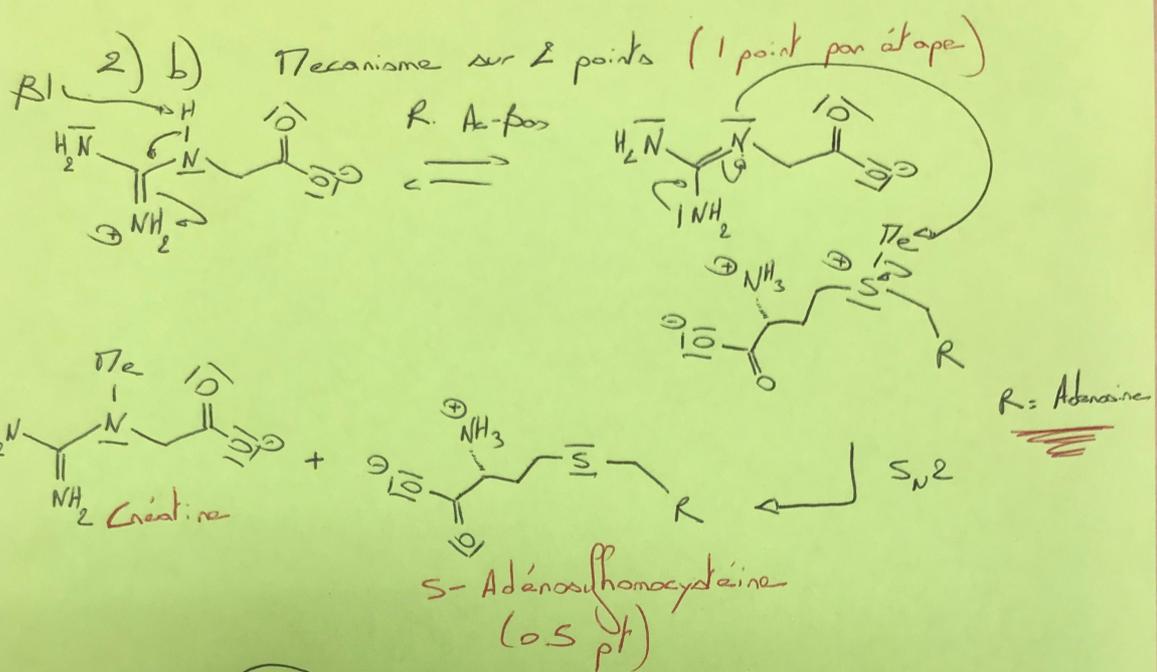


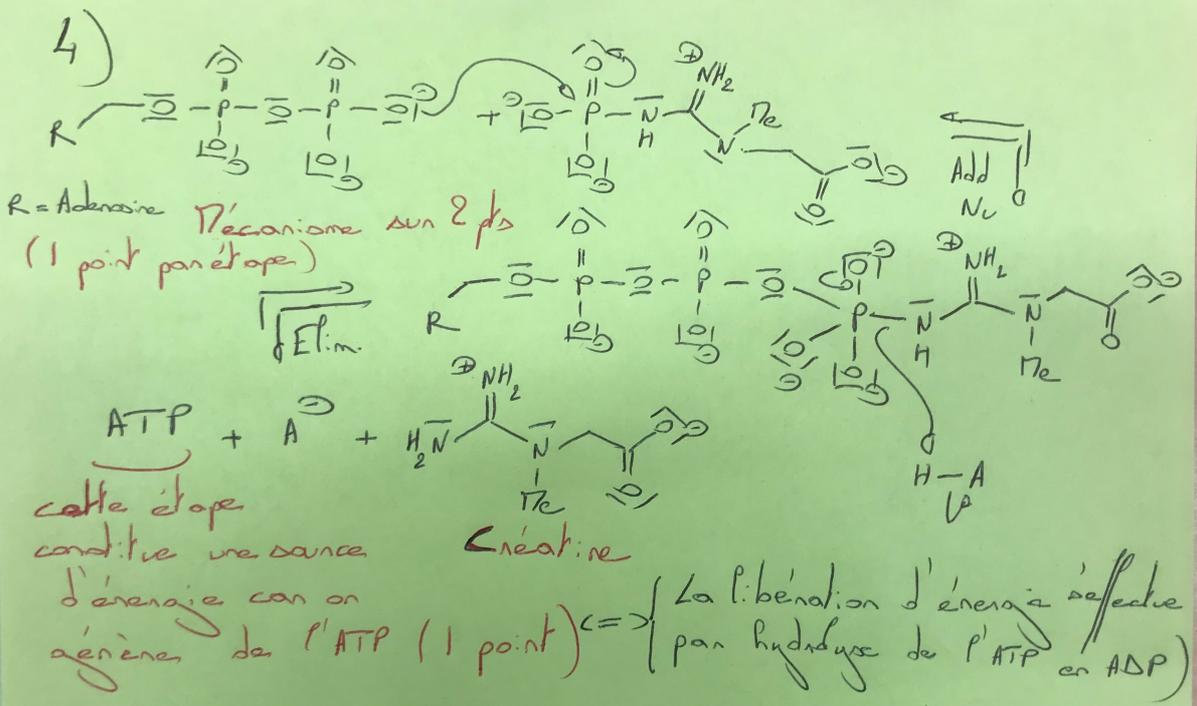
On se propose d'étudier les étapes qui constituent ce cycle.

Mécanisme sur 1.5 points (0.5 par étape)

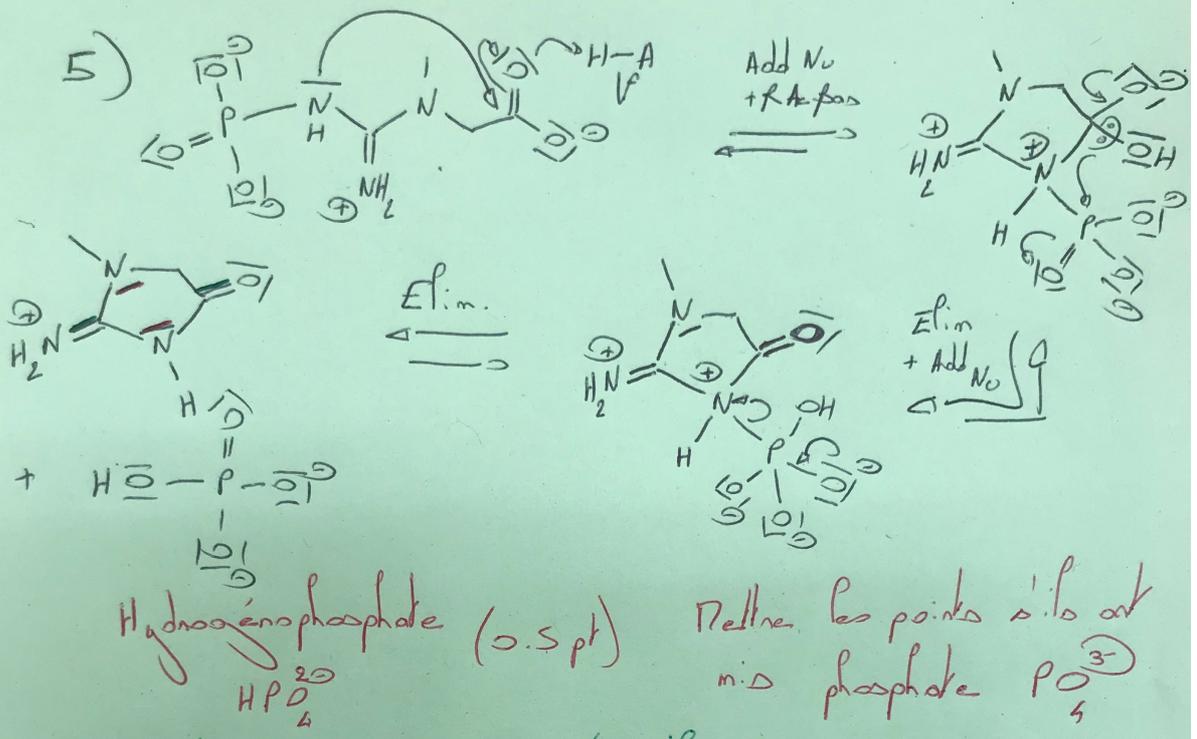




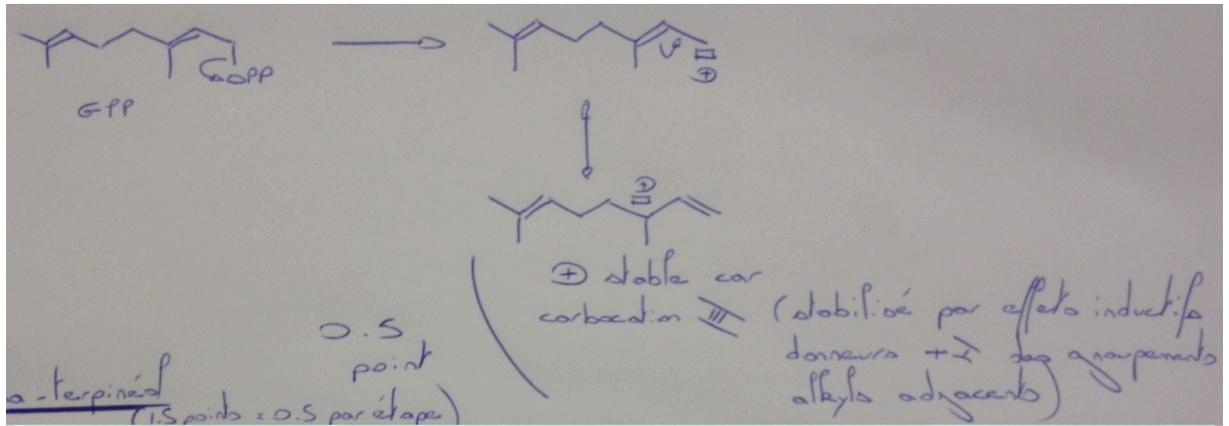




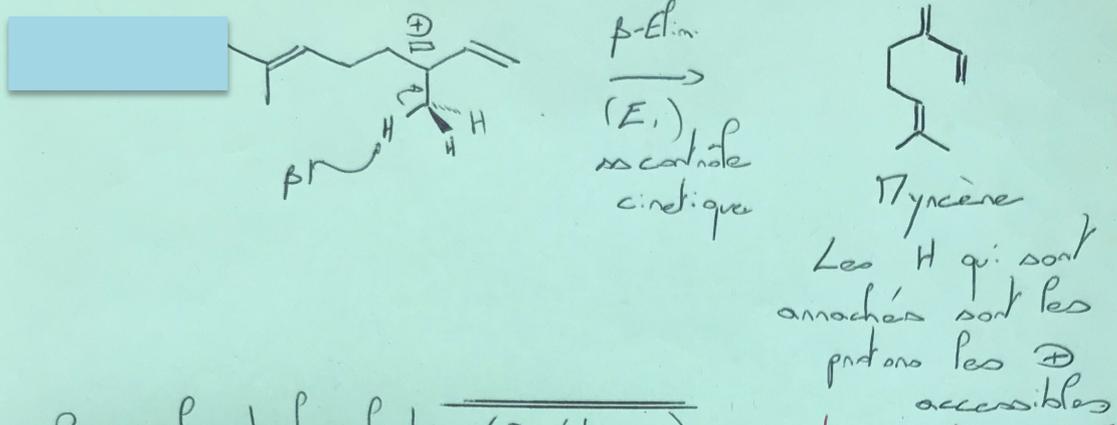
Mécanisme sur 2 points (0.5 + 1 + 0.5)



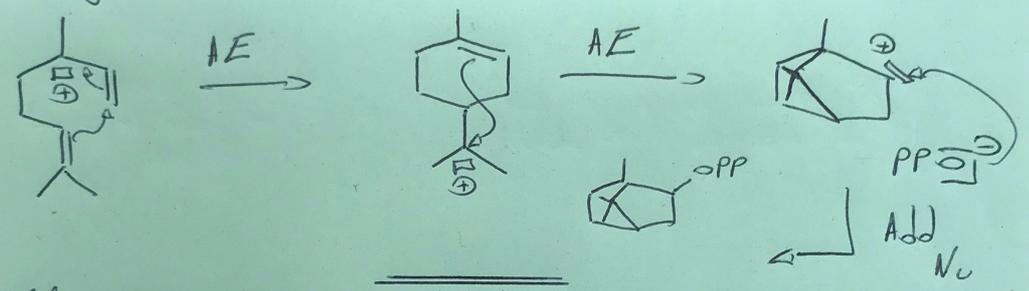
Créatine a 8 e⁻π (2 dP + 2 VN 2x2e⁻π 2x2e⁻π) 0.5 pt



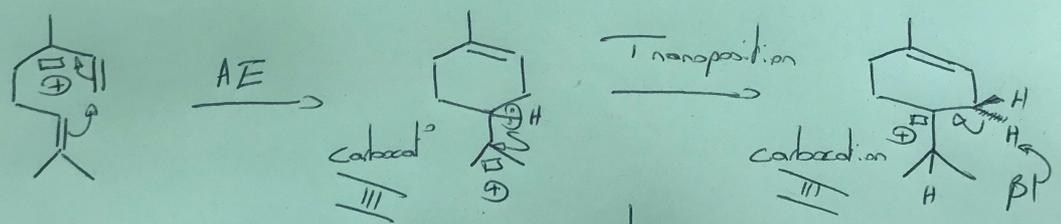
Thyncène (0.5 point)



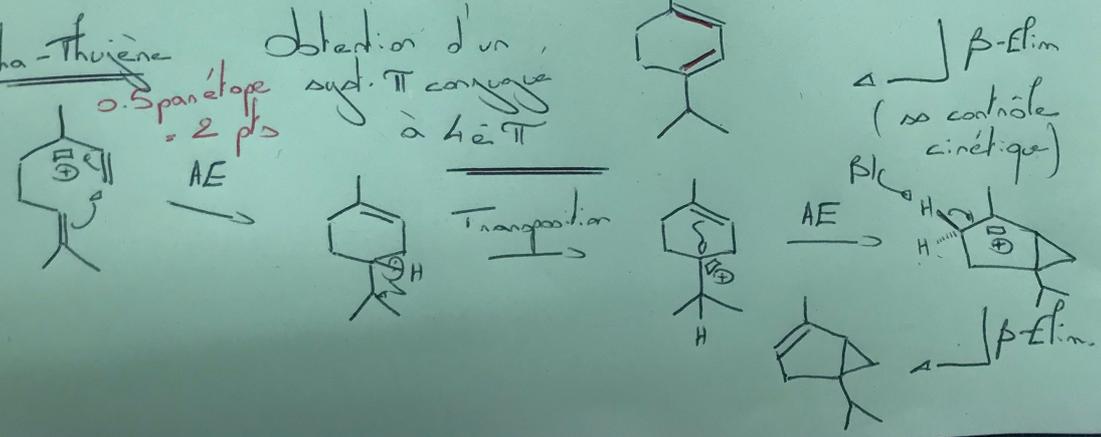
Bornyl diphosphate (3 étapes) 0.5 pt par étape = 1.5 pts



Alpha-terpinène (3 étapes) 0.5 pt par étape = 1.5 pts

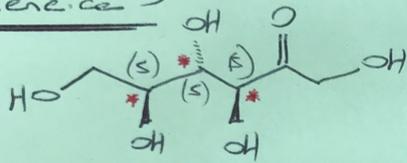


Alpha-Thuiène
0.5 par étape = 2 pts



sous contrôle thermodynamique

Exercice 3



$3 C^* = 3 \times 0,25$

configuration totale = $3 \times 0,25$

Représentation de Fischer
(1 pt)

Ce sucre s'appelle

le L-psicose (0,5 pt)

Car en Fischer le dernier C* porte le OH sur la gauche

