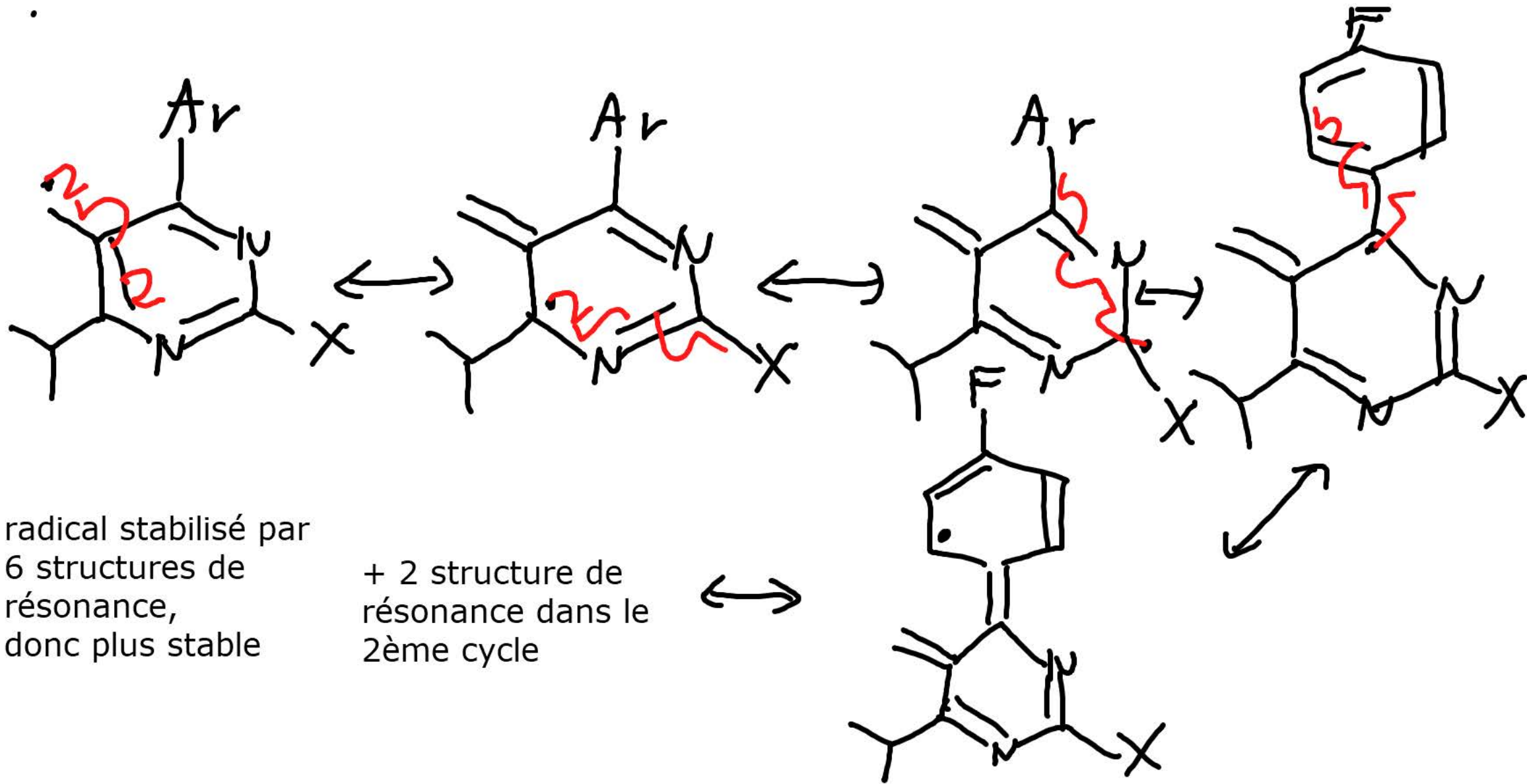
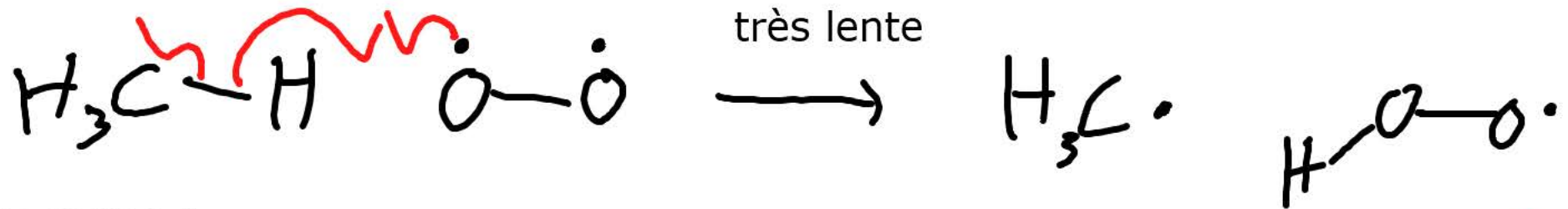




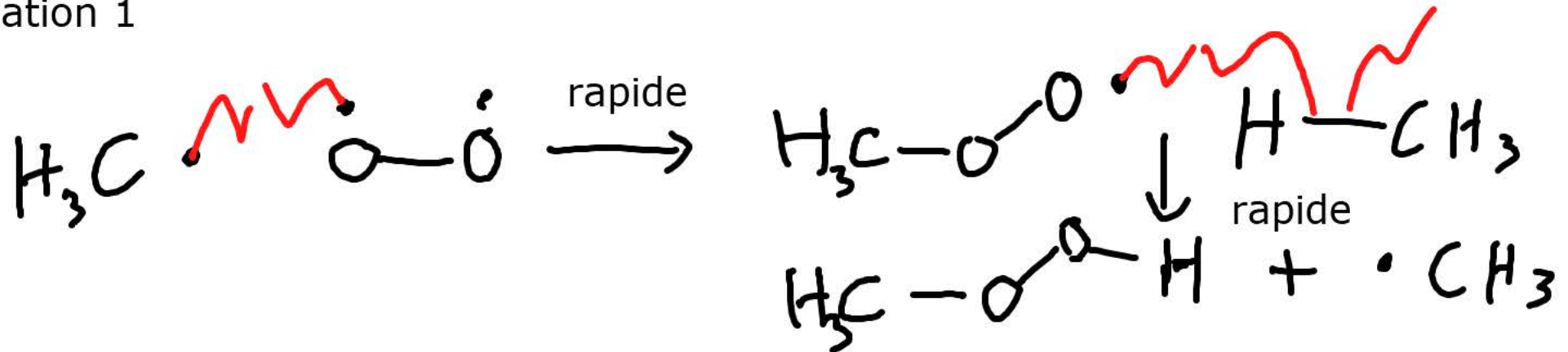
combustion du méthane



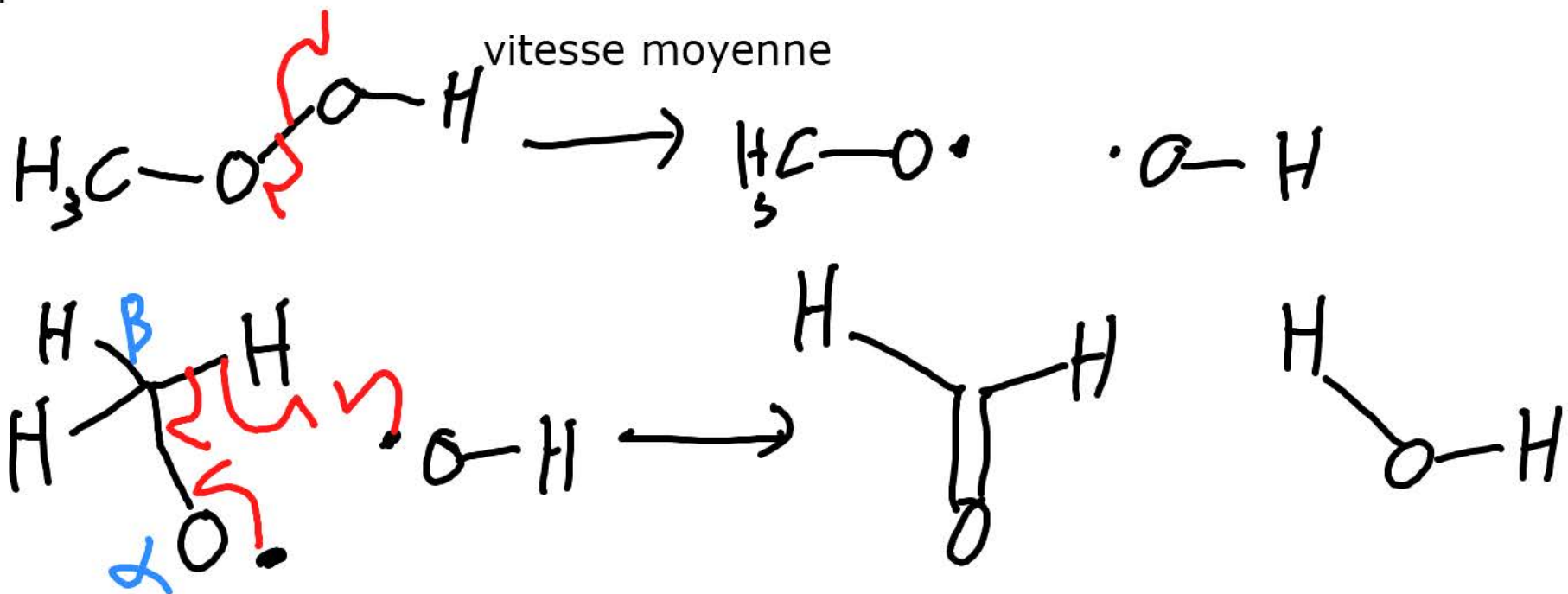
Initiation



propagation 1



initiation

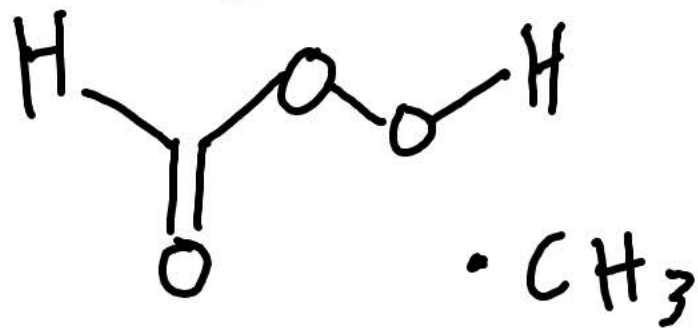


élimination beta

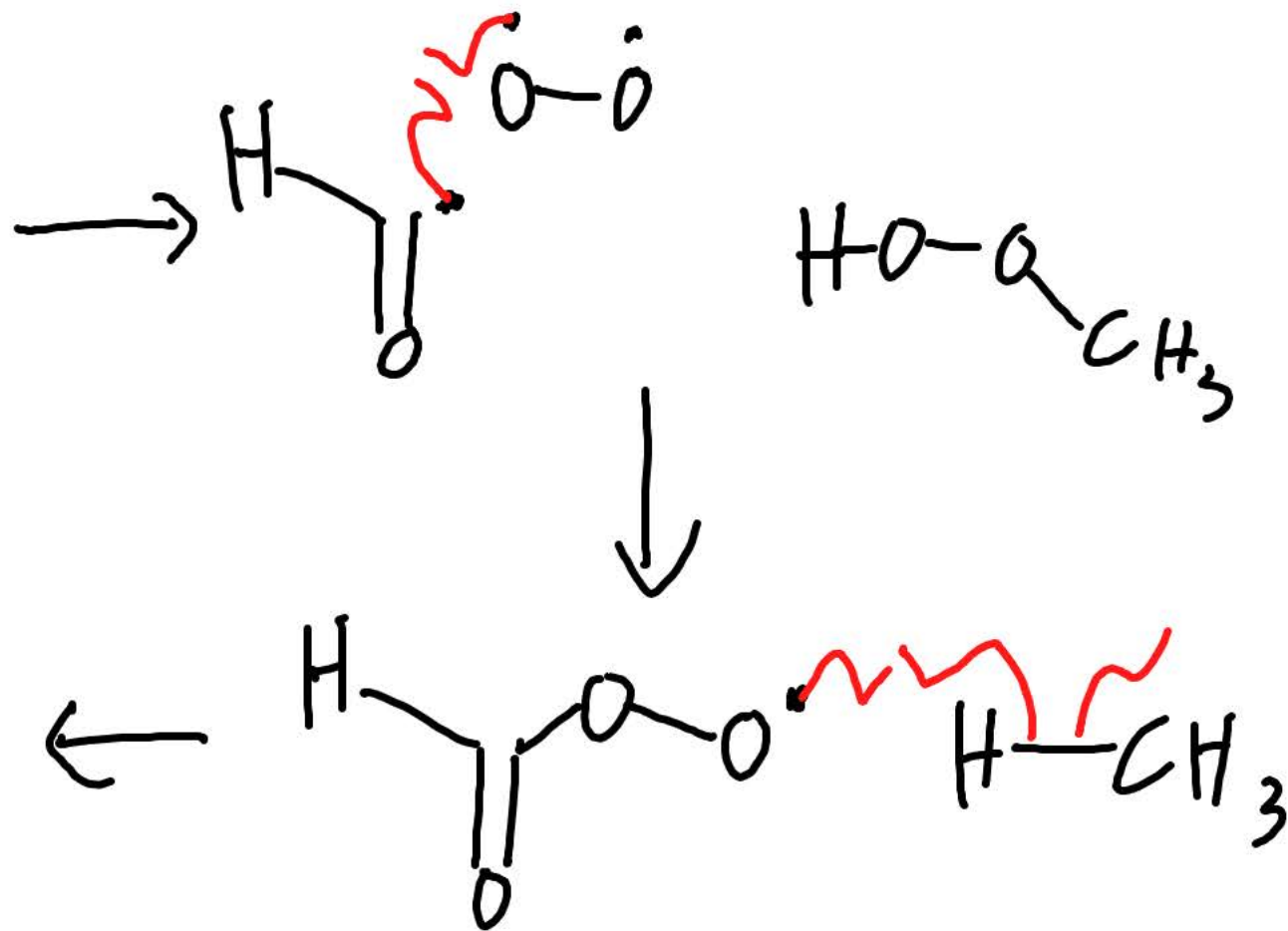


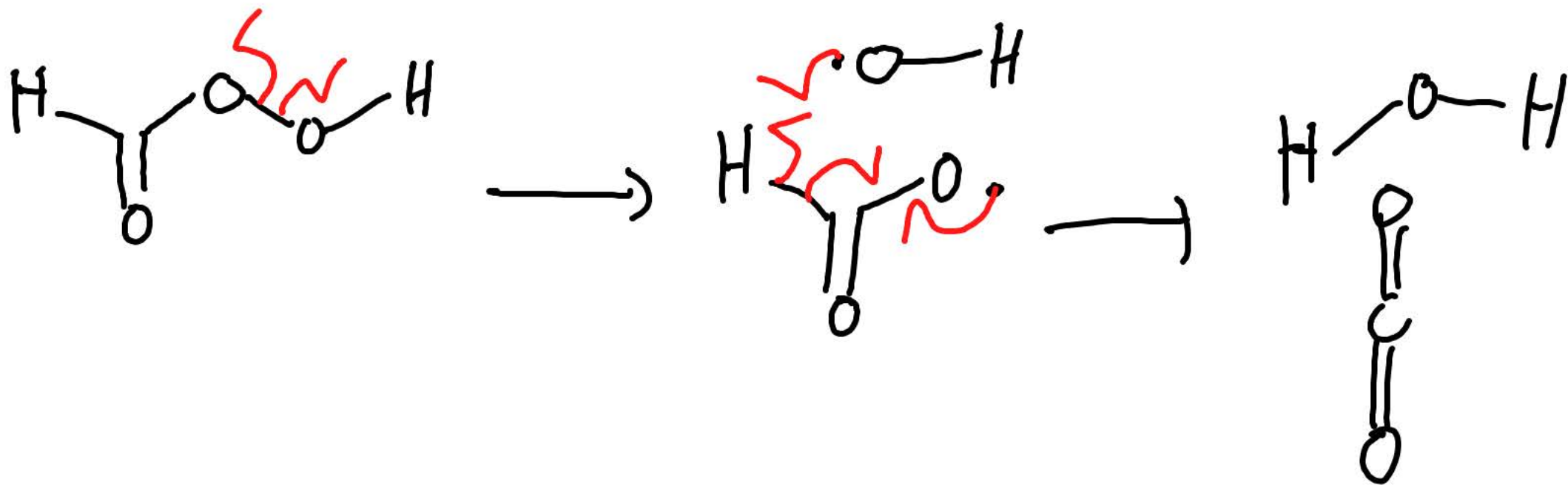
formaldéhyde

oxidation

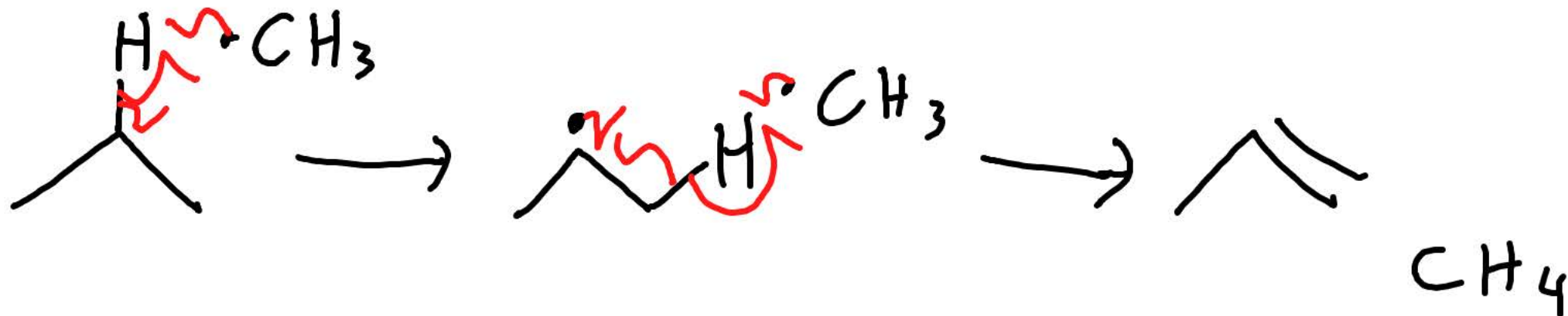
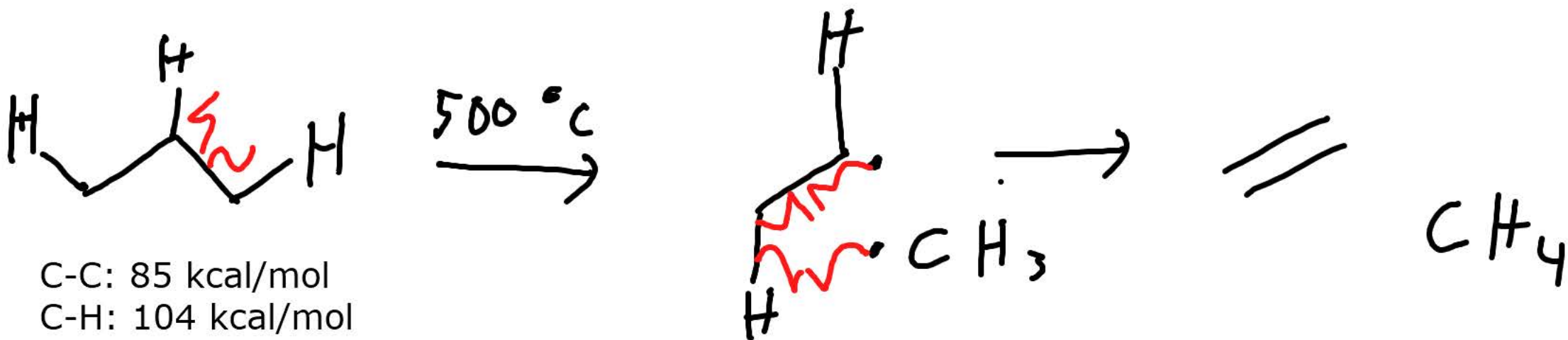


peracide





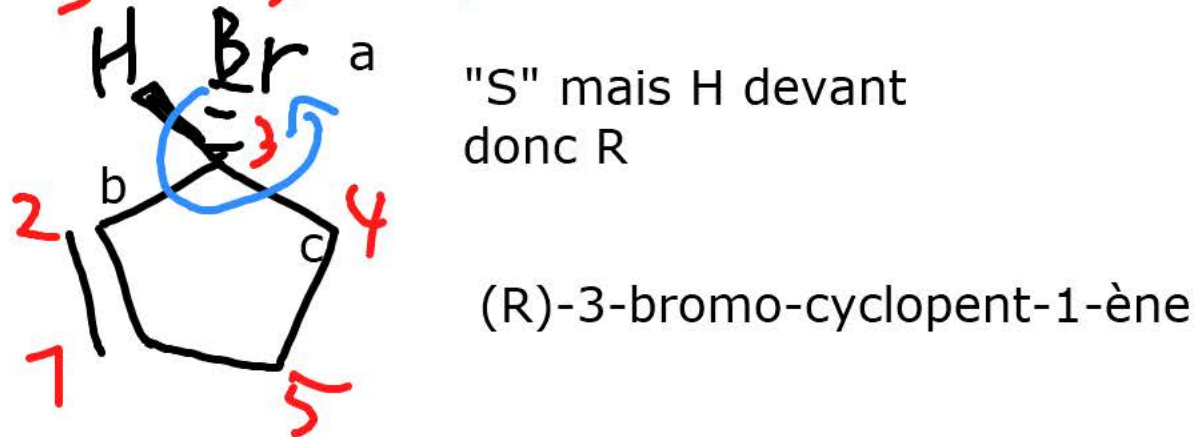
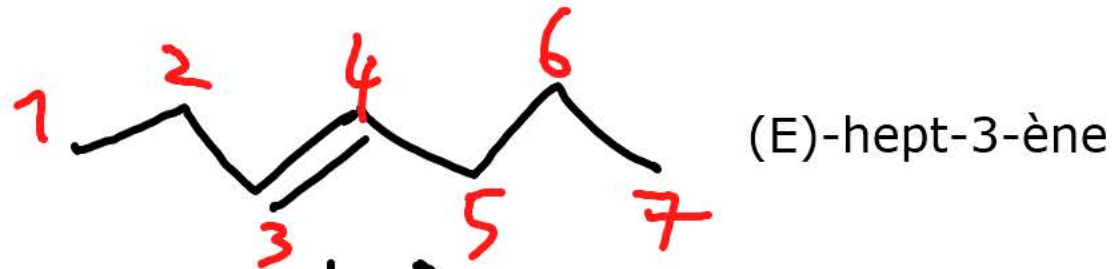
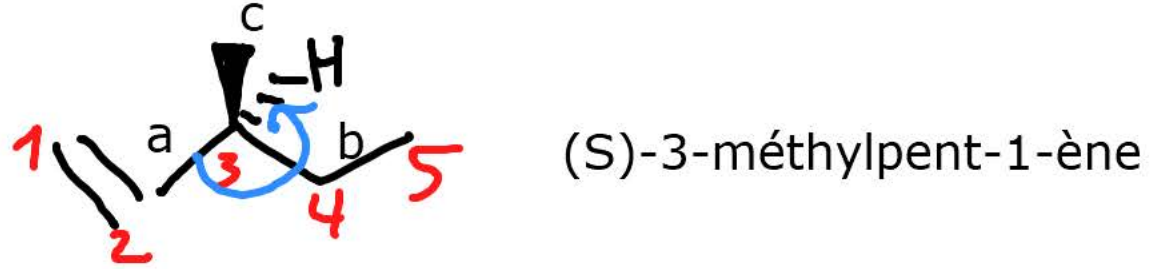
cracking du pétrole



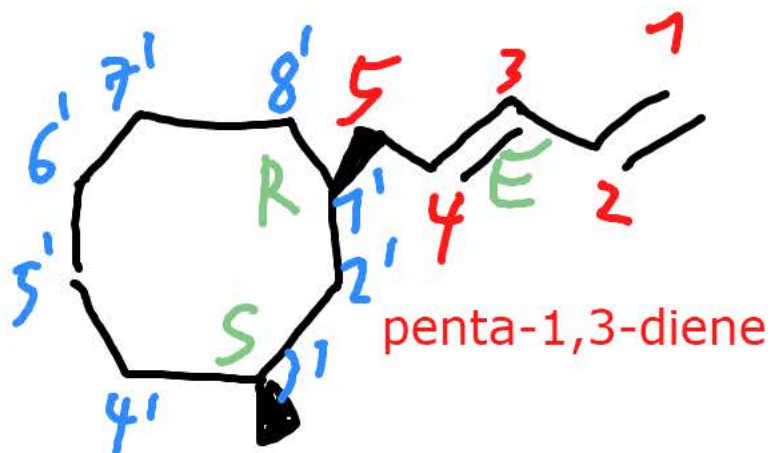
réaction plus facile: radical en position secondaire plus stable

résultat du cracking: chaîne plus courte, contiennent plus d'alcènes

•
nomenclature des alcènes



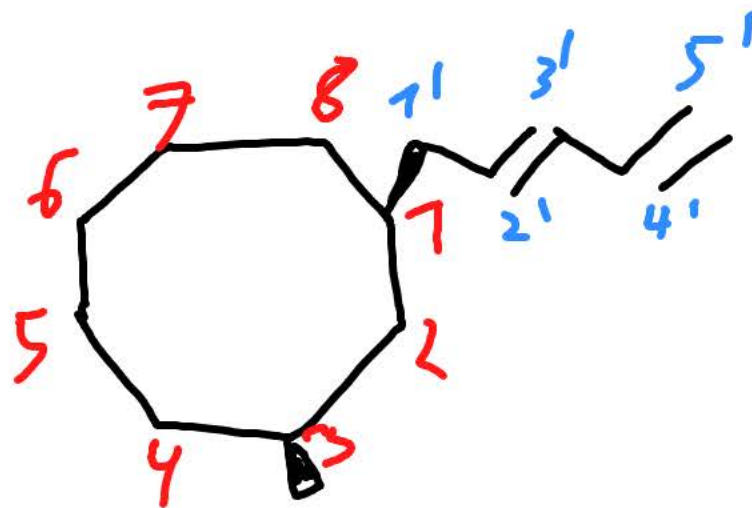
ancienne règle: les
insaturations dominant



3-méthyl-cyclooctyl-

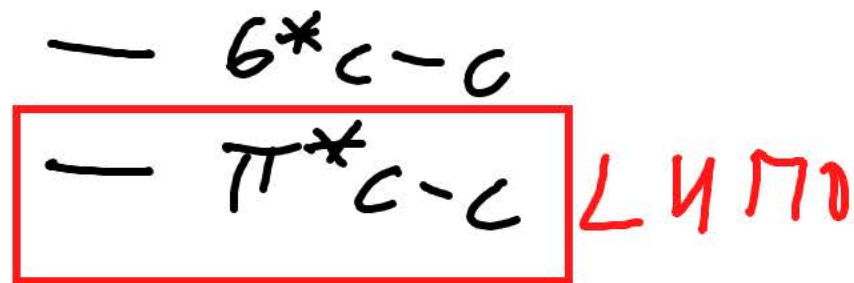
(E)-5-((1R,3S)-(3-méthyl-
cyclooctyl))-penta-1,3-diène

nouvelles règles: 1) cycle 2) nombre d'atome, 3)
insaturations



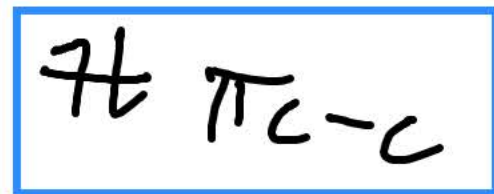
(1R,3S)-3-méthyl-1-((E)-
penta-2,4-diényl)-cyclooctane

HOMO/LUMO des alcènes



LUMO

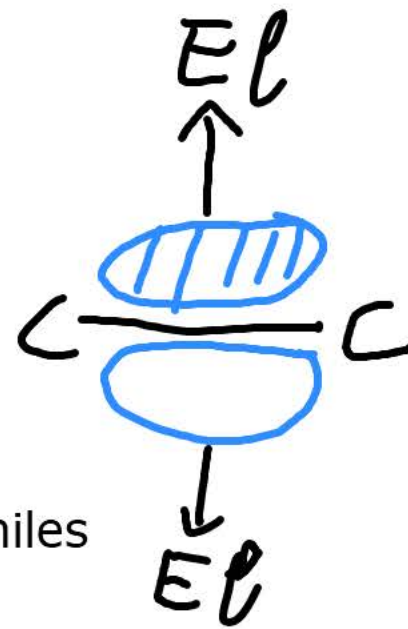
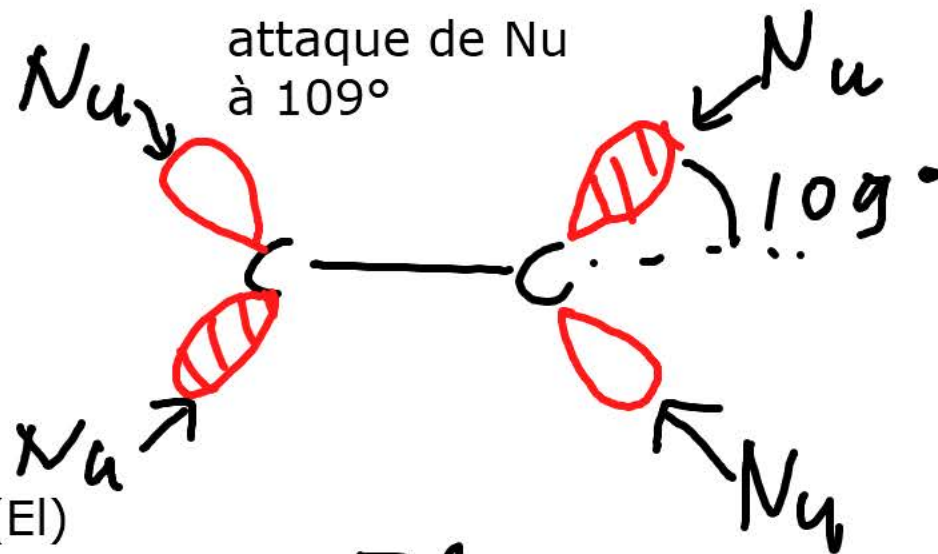
électrophile (El)



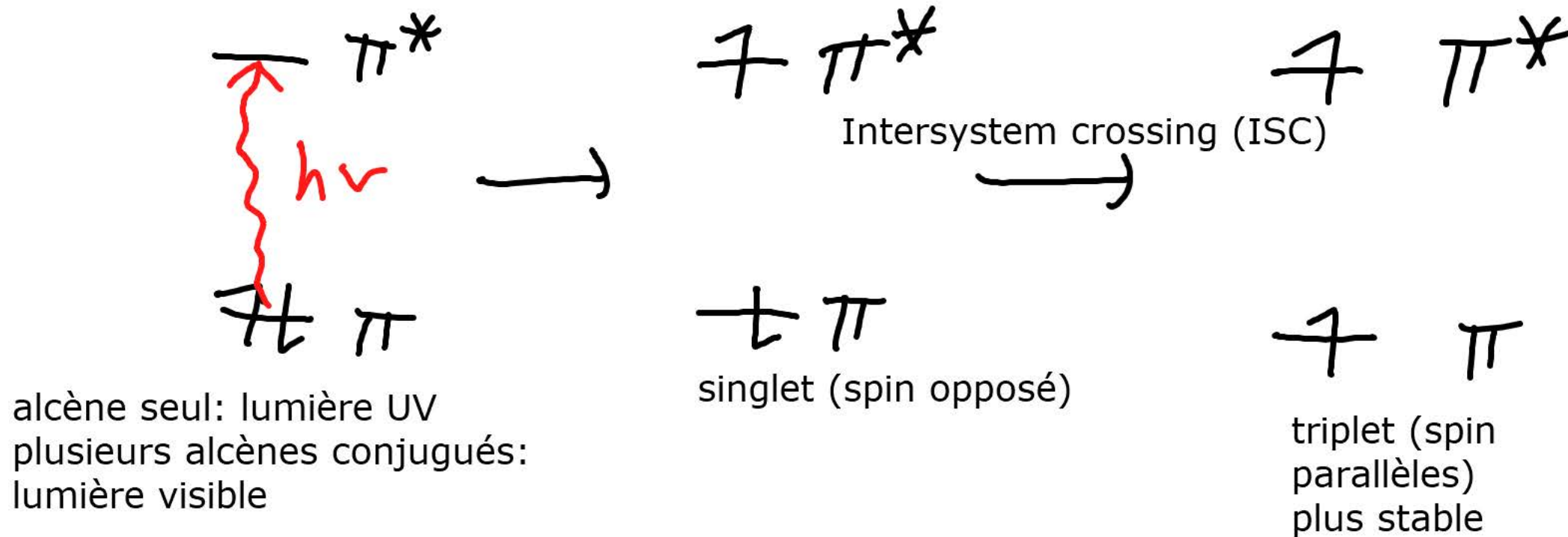
HOMO

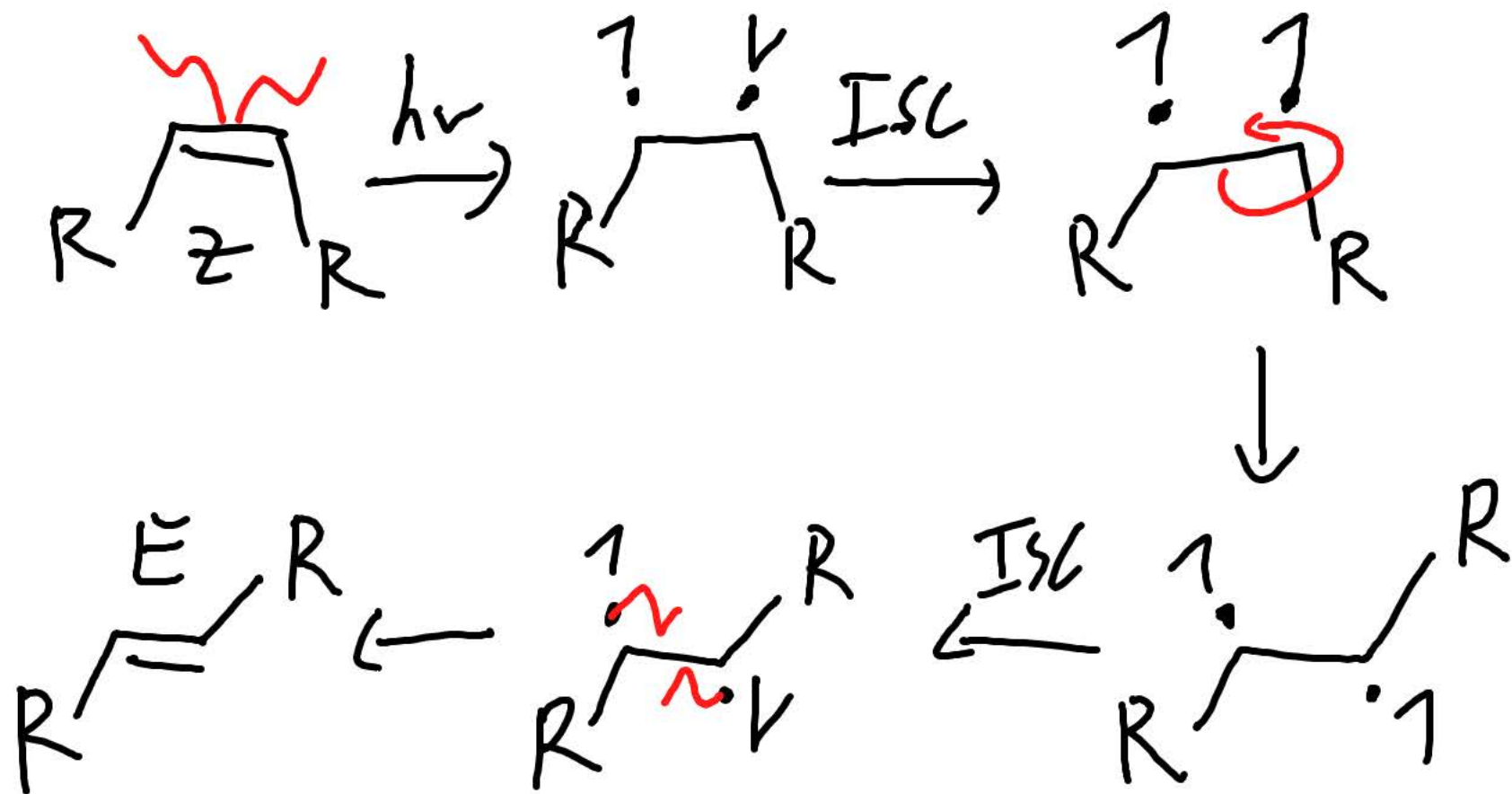
nucléophile (Nu)

attaques des électrophiles (El) à 90°

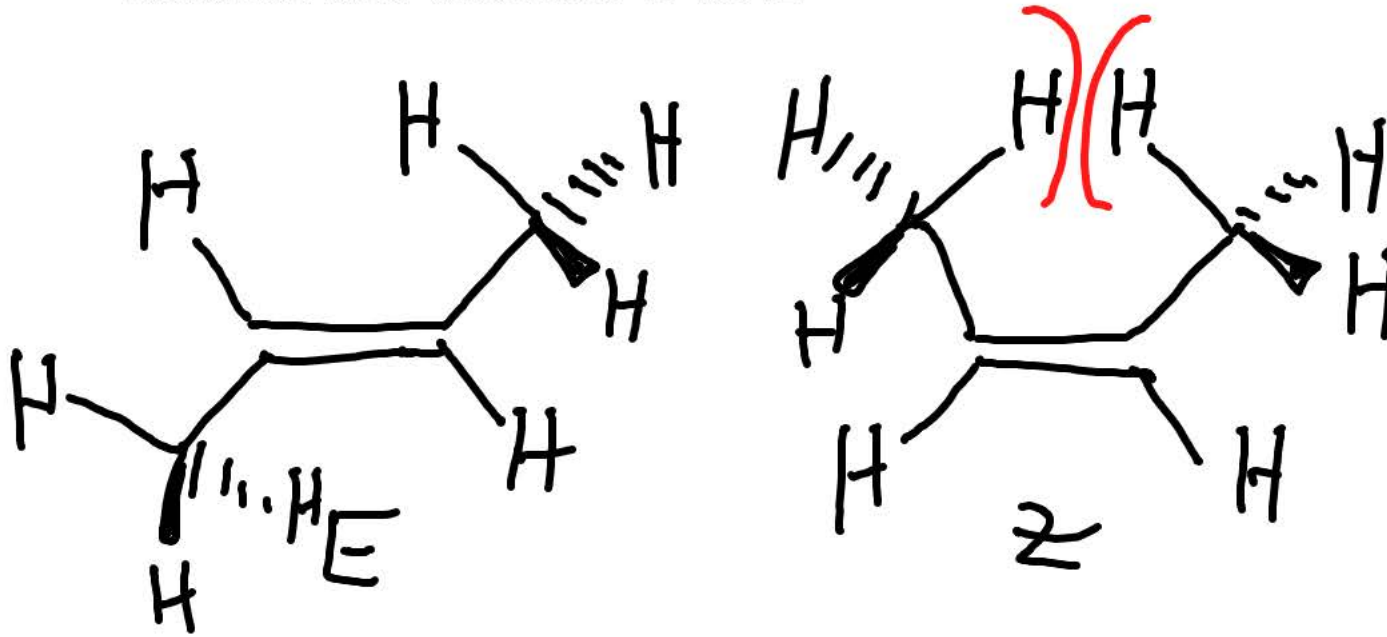


photochimie des alcènes



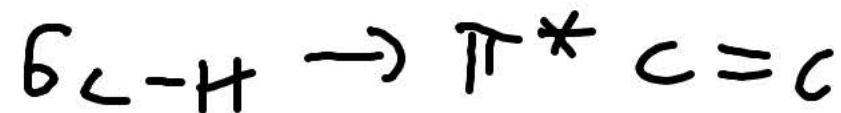
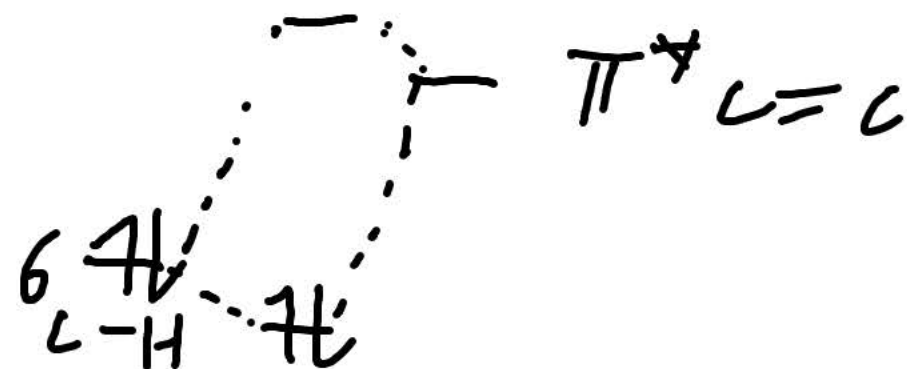
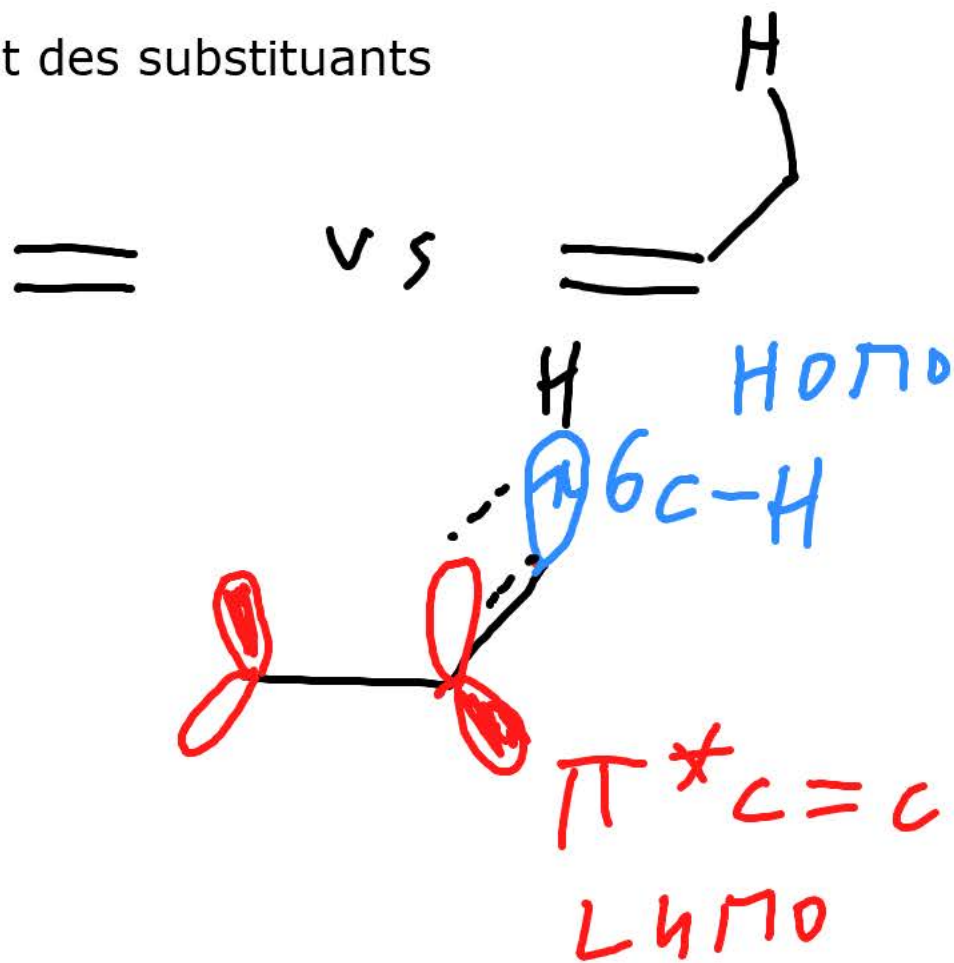


stabilité des alcènes: E vs Z



alcène E est plus stable pour des raisons stériques,
plus les substituants sont grands, plus la différence
est grande

effet des substituants



chaque substituant peut stabiliser par interactions avec la LUMO de la double liaison