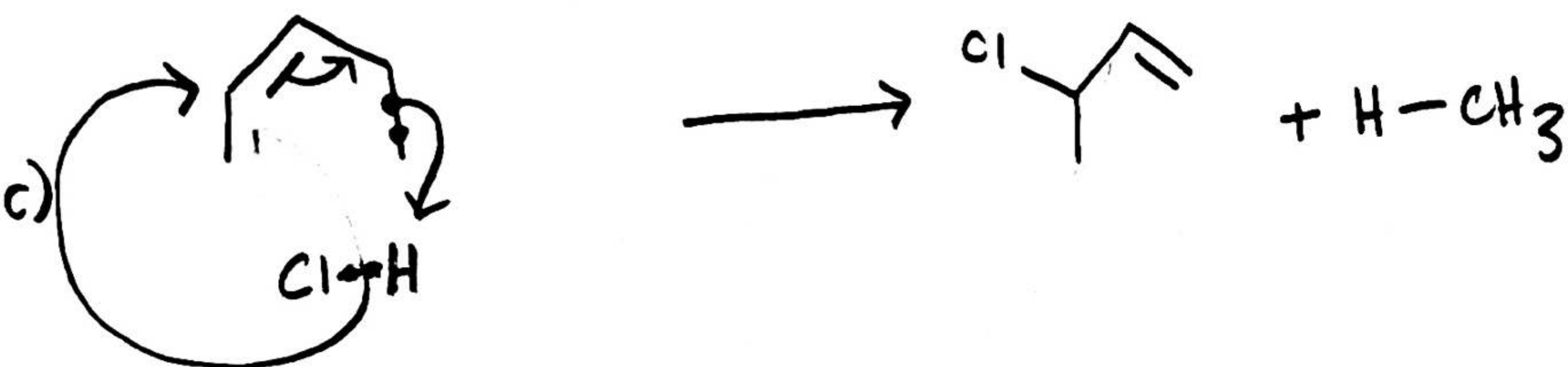
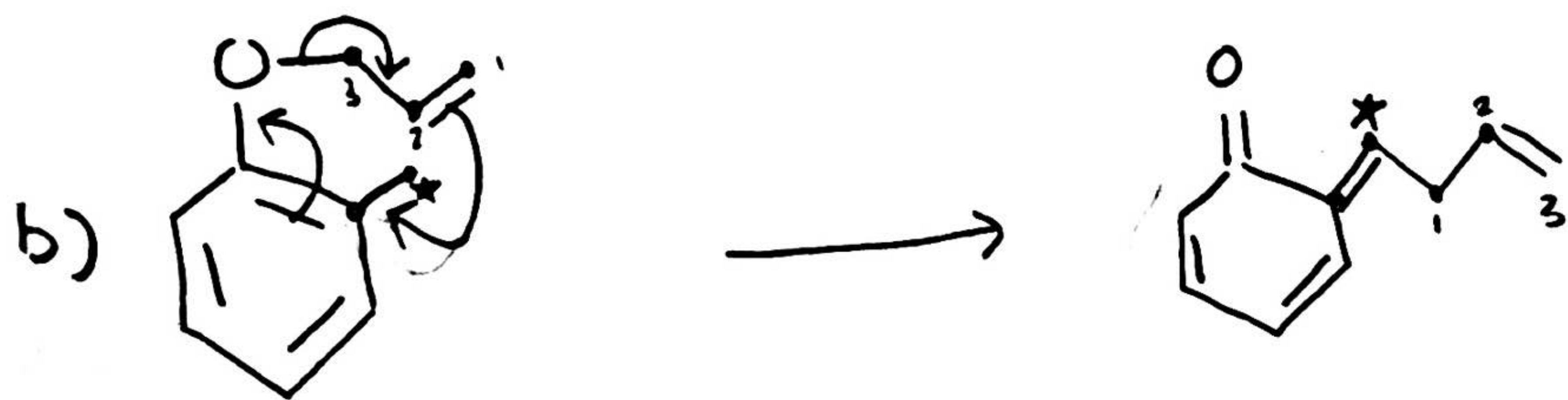
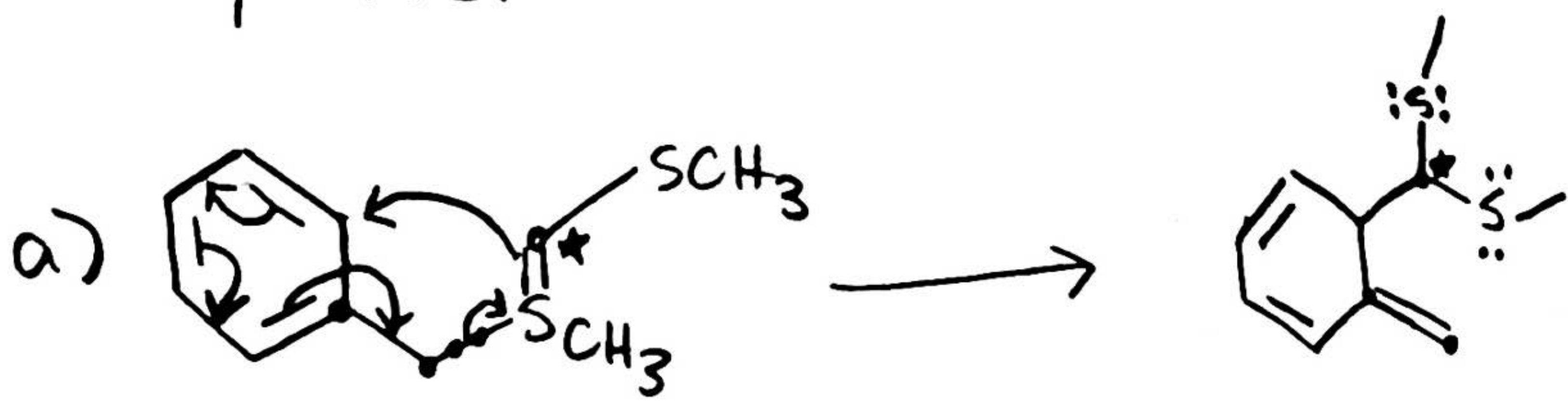
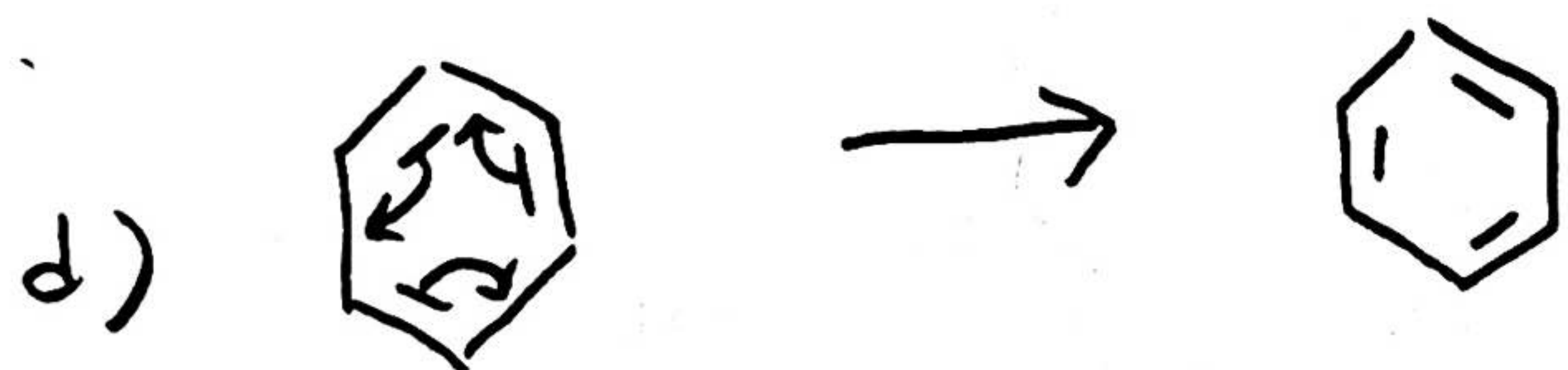
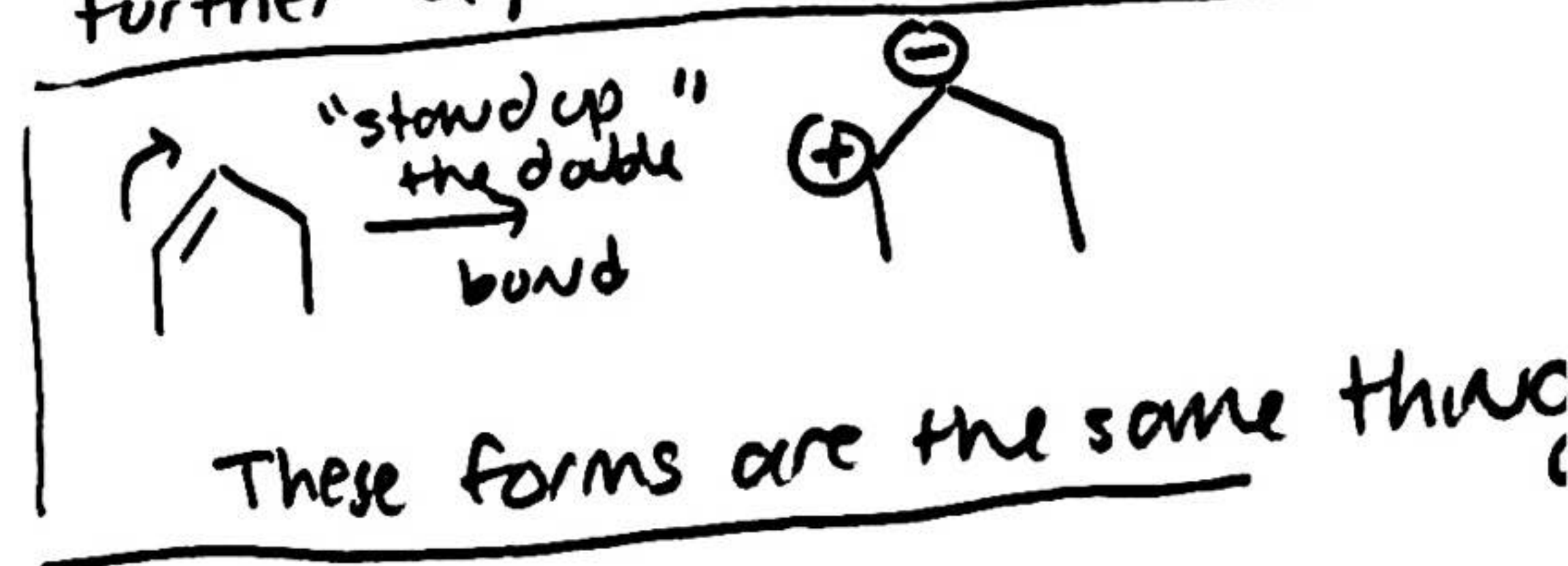


Organic Chemistry worksheet 2.

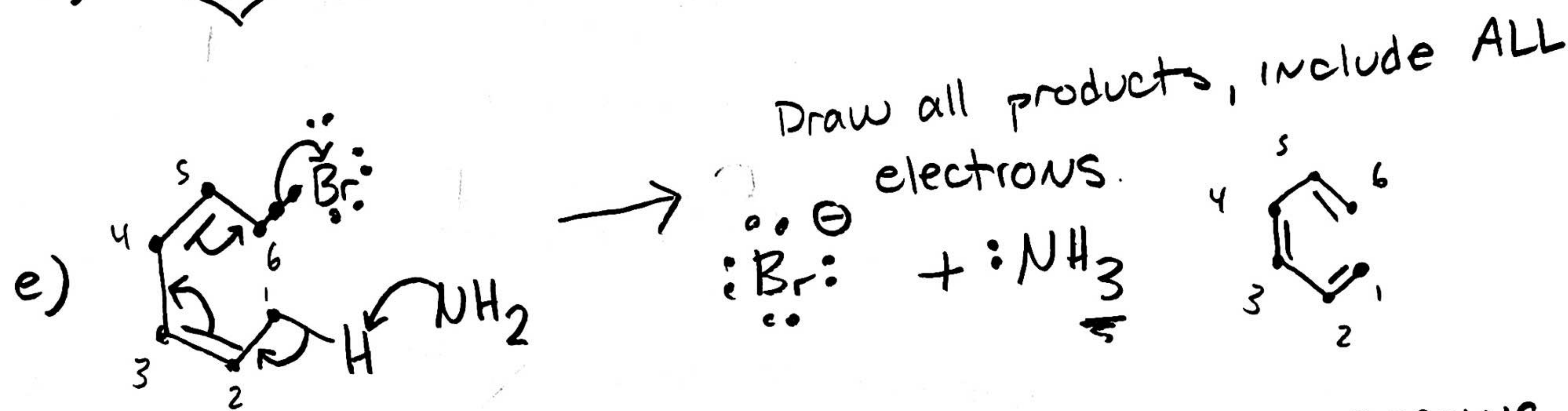
1) Follow the electron flow arrows and draw the products



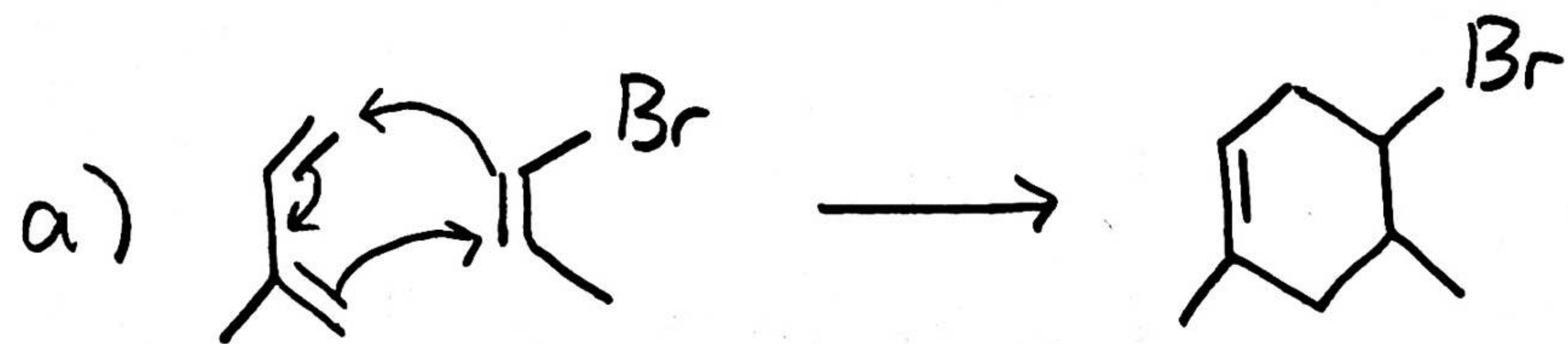
Further explanation / support

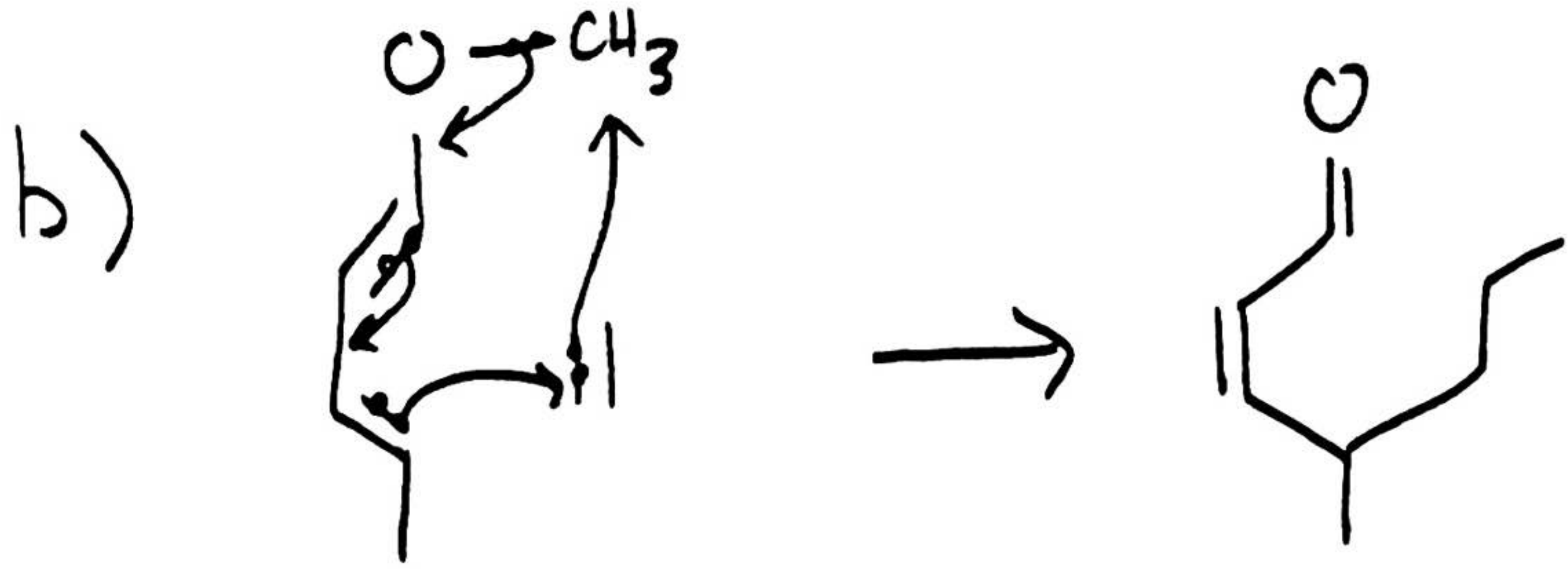


Resonance forms!



2) Draw 2 headed (\rightarrow) electron flow arrows to account for transformation of reactants into products



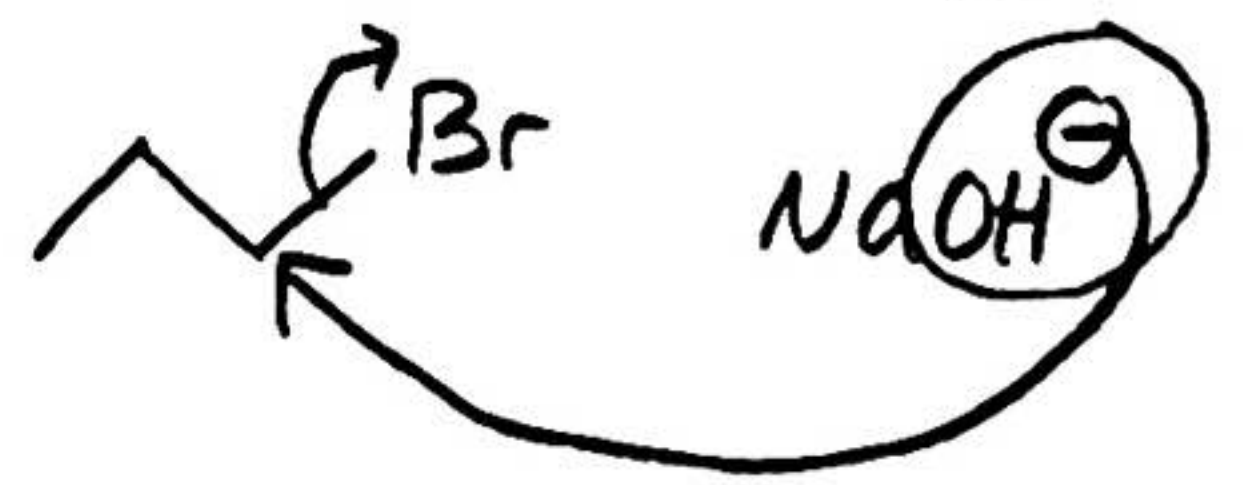


3) For the following structure

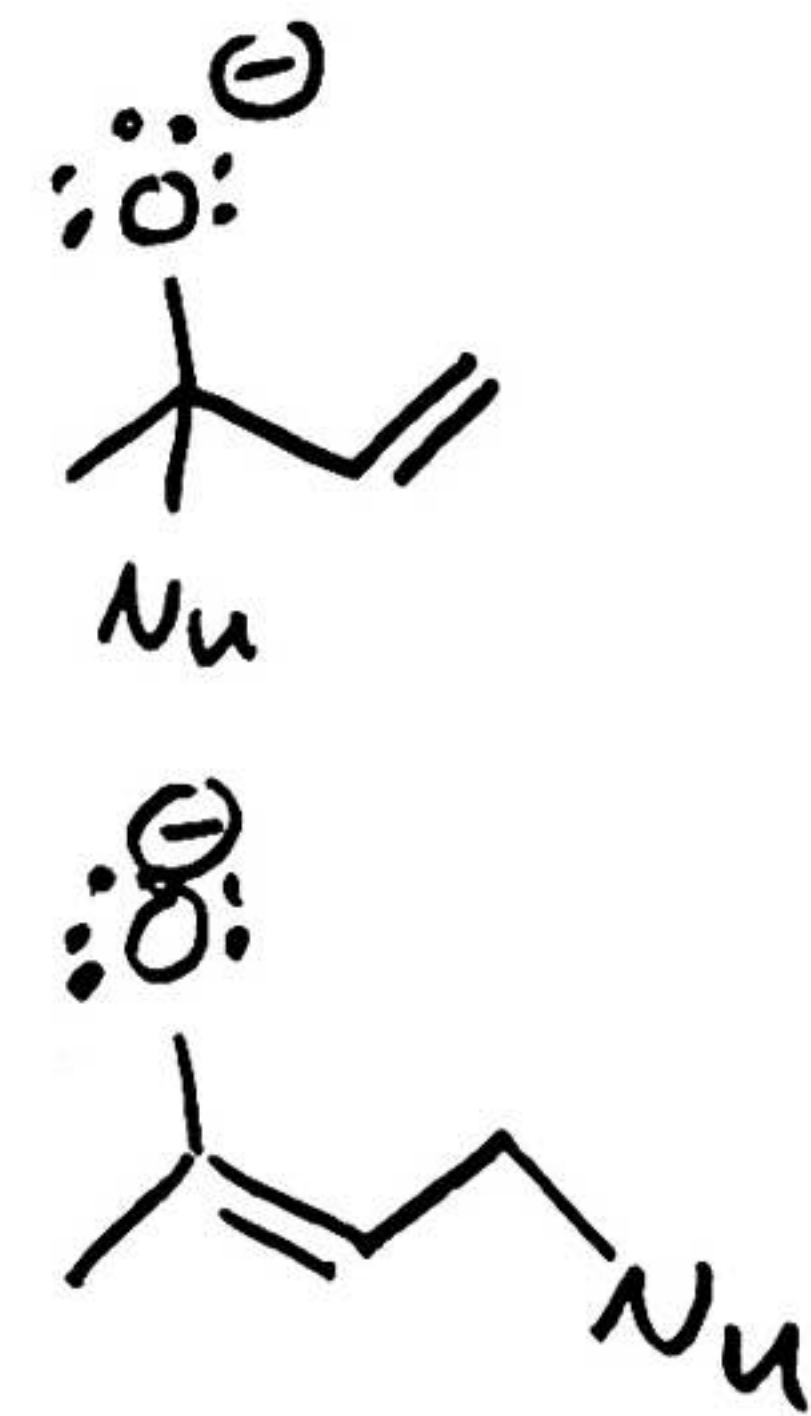
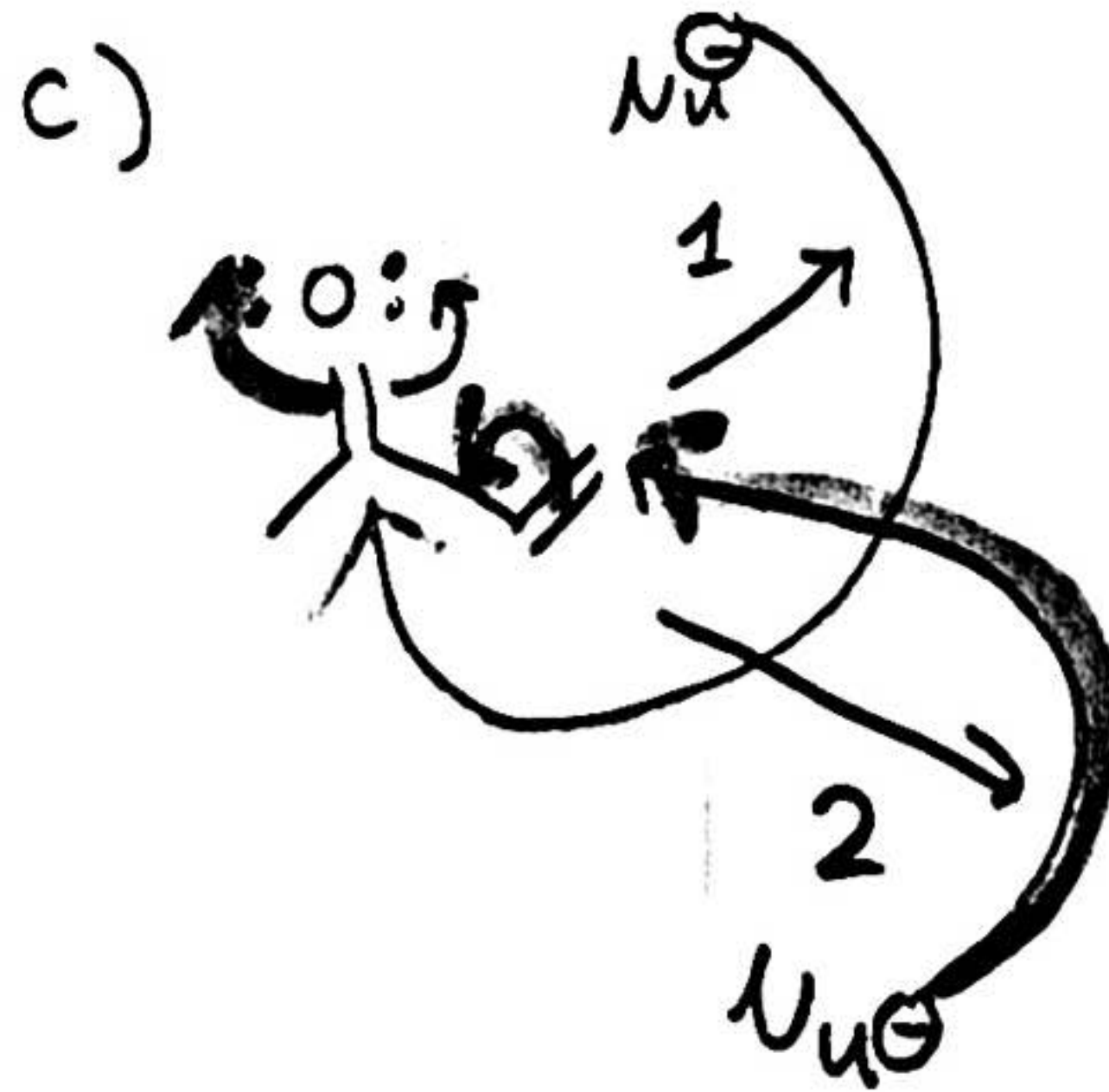
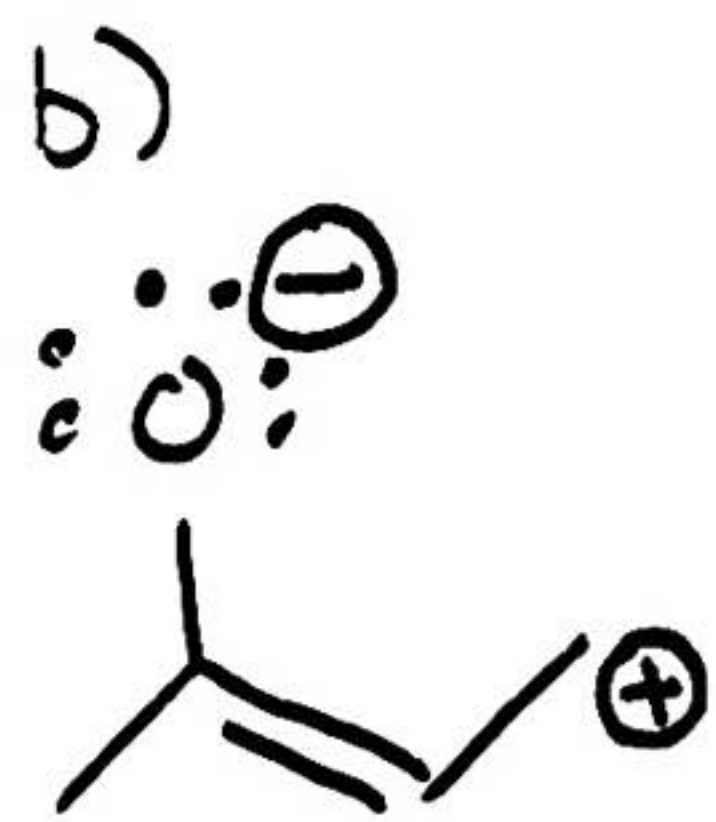
a) label electronegative atoms.

b) show a resonance form

c) show two mechanistic reactions when the molecule is reacted with a nucleophile. For example: OH is the nucleophile



Molecule



4) T or F

a) synthetic vitamin C is different than vitamin C in oranges F

b) The flow of electrons is from (+) to (-) F

c) A specific thinker is more valuable in society than a generalist thinker F

d) PABA stirred in alcohol forms a compound that is present in cherries F

e) Benzocaine is a nerve deadener I

f) "Two electrons IN" must ALWAYS be balanced with "two electrons out" F