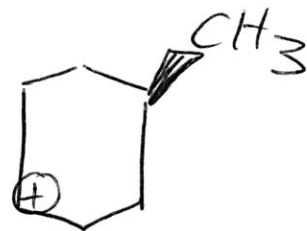
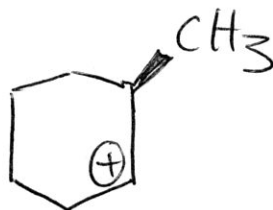
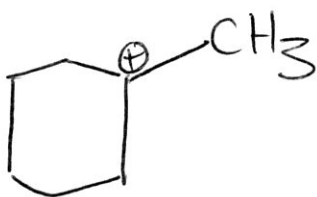
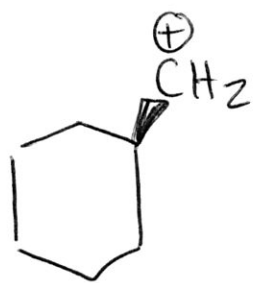
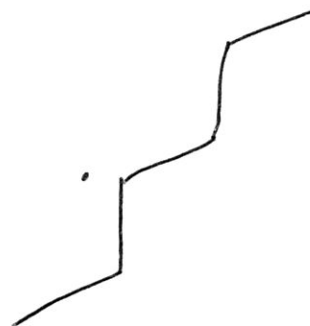
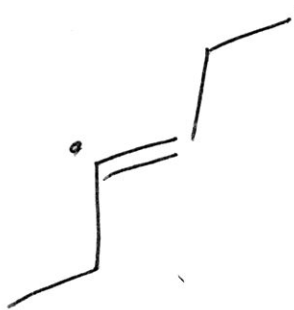
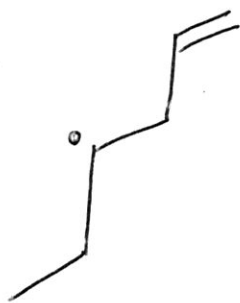
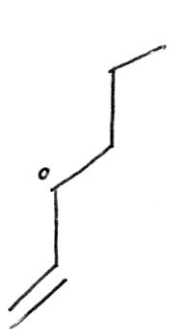


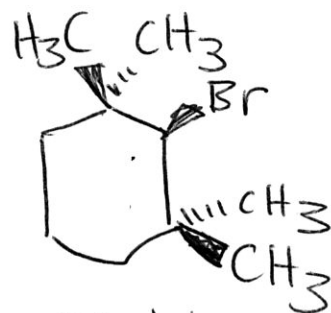
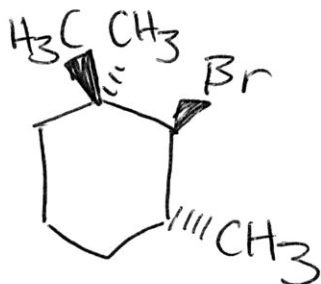
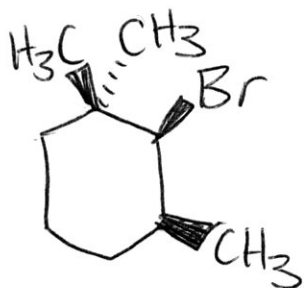
1) Circle the most stable cation



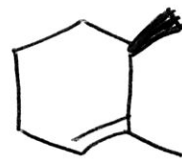
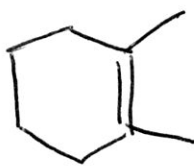
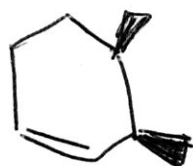
2) Circle the most stable radical



3) Circle the molecule that will react fastest with strong base via E2 mechanism



4) Rank the following w/ 1 = least stable alkene; 3 = most stable alkene

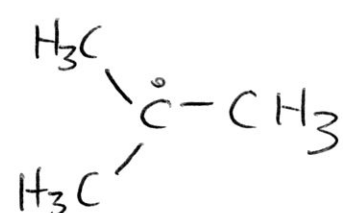
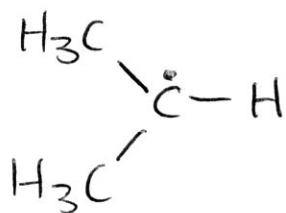
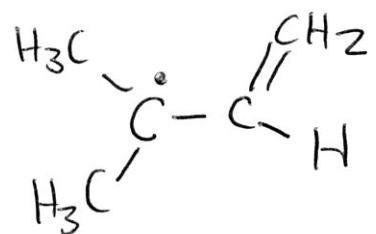
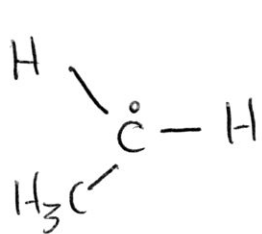


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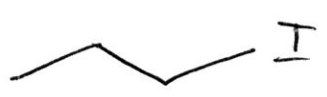
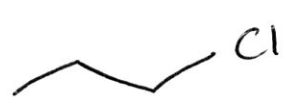
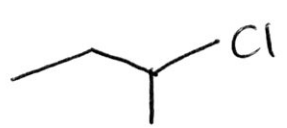
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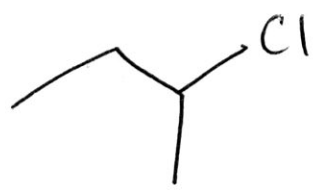
1: most stable radical ; 4, least stable radical



Rank in terms of reactivity w/ nucleophile via  $S_N2$   
1: most reactive ; 4: least reactive



Rank in terms of reactivity via  $S_N1/E1$



Synthesis problems 1/27/15

