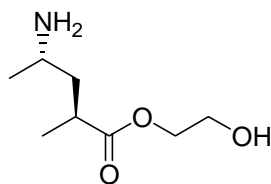


Chemistry 247 Practice Test 2 Solutions
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1.

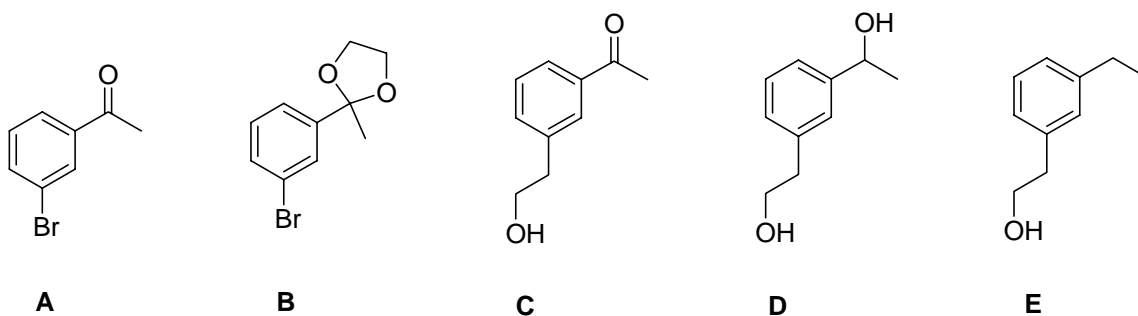


2.

(a) Fastest: B; Slowest: C

(b) Fastest: A; Slowest: B

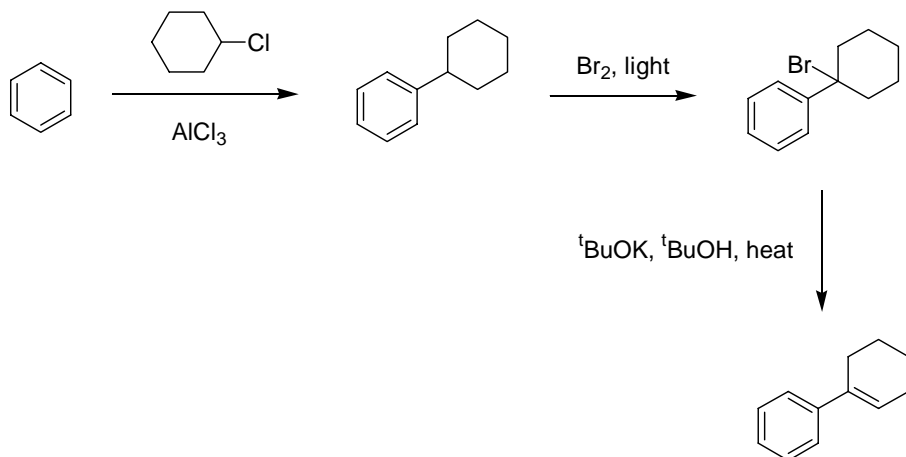
3.

**Reagent X** = KMnO_4 , H^+ , heat

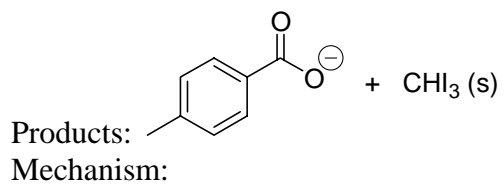
4.

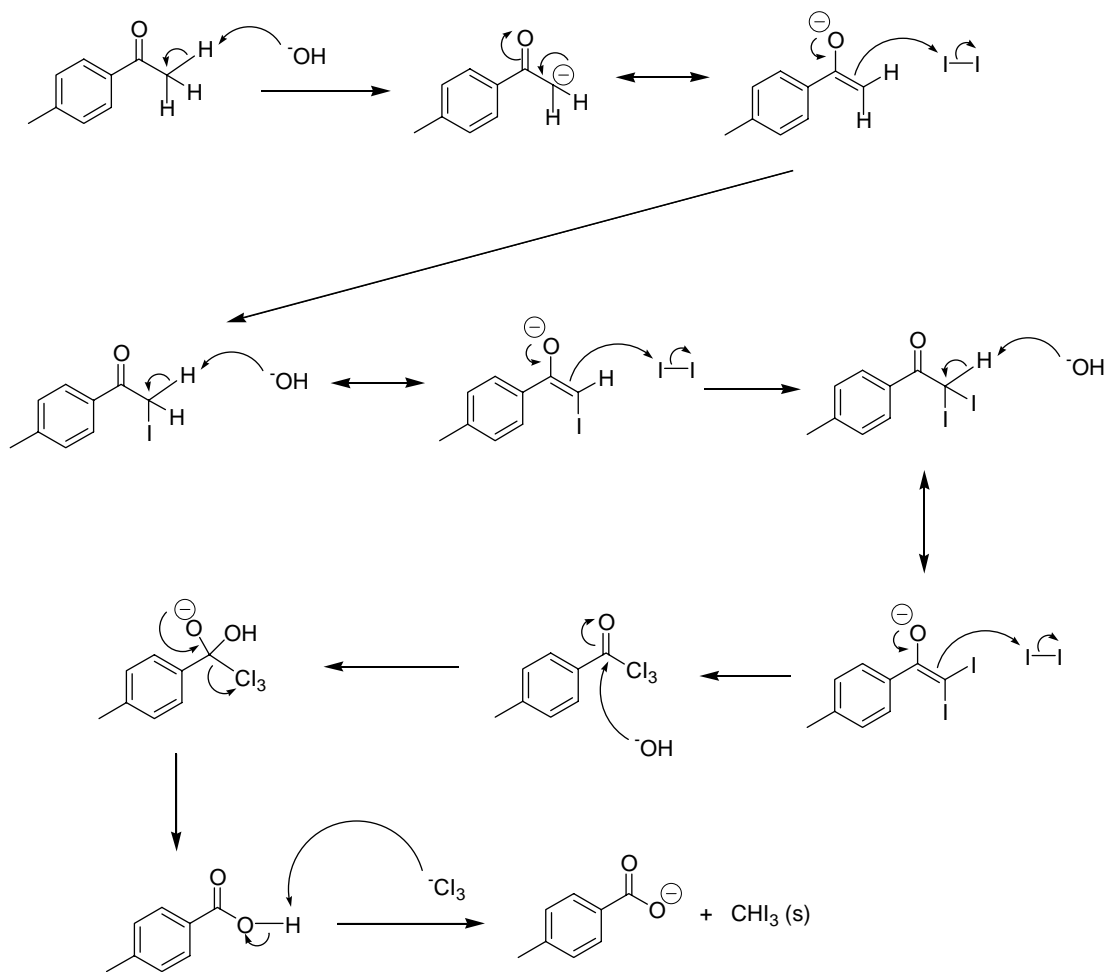
(a) CH_2I_2 , Zn/Cu(b) H_2 , Pd/ BaSO_4 , quinoline(c) SOCl_2 or $(\text{COCl})_2$ (d) HgSO_4 , H_2SO_4 , H_2O

5.

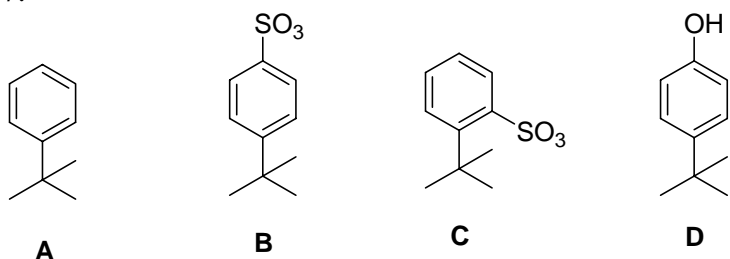


6.





7.



8.

