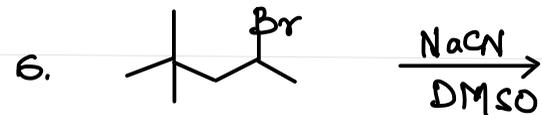
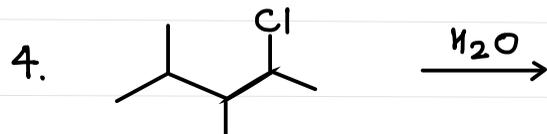
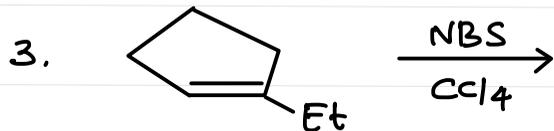
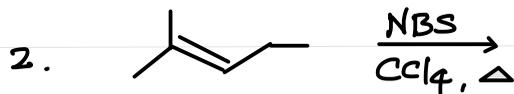


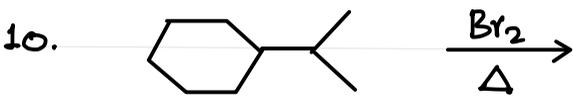
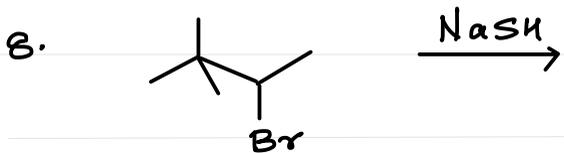
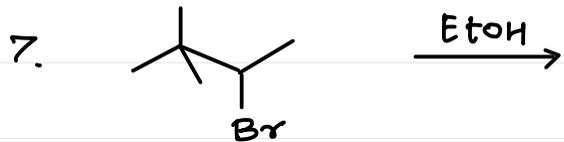
Organic Concepts Homework

HomeWork-Sheet-1

Based on Free radical Substitution &
Nucleophilic Substitution

Q. Identify the MAJOR product.





Q 2. Arrange the following in decreasing order of :

1. PhO^- , OH^- , MeCOO^- , MeS^- (Nucleophilicity)

2. F^- , CN^- , MeO^- , NH_2^- (Basicity)

3. F^- , CN^- , MeO^- , NH_2^- (Nucleophilicity)

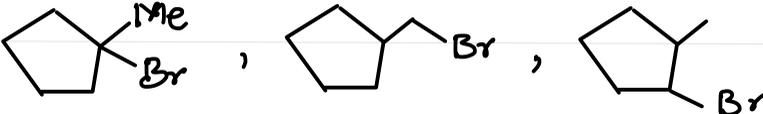
P.T.O

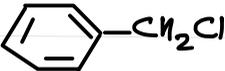
4. F^- , Br^- , I^- , Cl^- Basicity in H_2O
5. F^- , Br^- , I^- , Cl^- Nucleophilicity in H_2O
6. F^- , Br^- , I^- , Cl^- Nucleophilicity in DMSO
7. CN^- , MeS^- , Cl^- , I^- , MeO^- Nucleophilicity in CH_3OH
8. 2-Bromopentane, 1-Bromopentane, 2-Bromo-2-methylpropane, bromomethane

Ease of S_N2 reaction

9. 2-Bromopentane, 2-Chloropentane, 3-Bromo-3-methylpentane,
1-Chloropentane

Ease of S_N1 reaction

10.  Ease of S_N2 reaction

11.  + $R_1: KCN/a/c$ \longrightarrow
 + $R_2: NaSH/H_2O$ \longrightarrow
 + $R_3: NaOH/H_2O$ \longrightarrow
- Ease of S_N2 reaction
with respect to
Reagents: $R_1, R_2 \& R_3$



THANK

YOU

THANK YOU



Thank you



Thank you