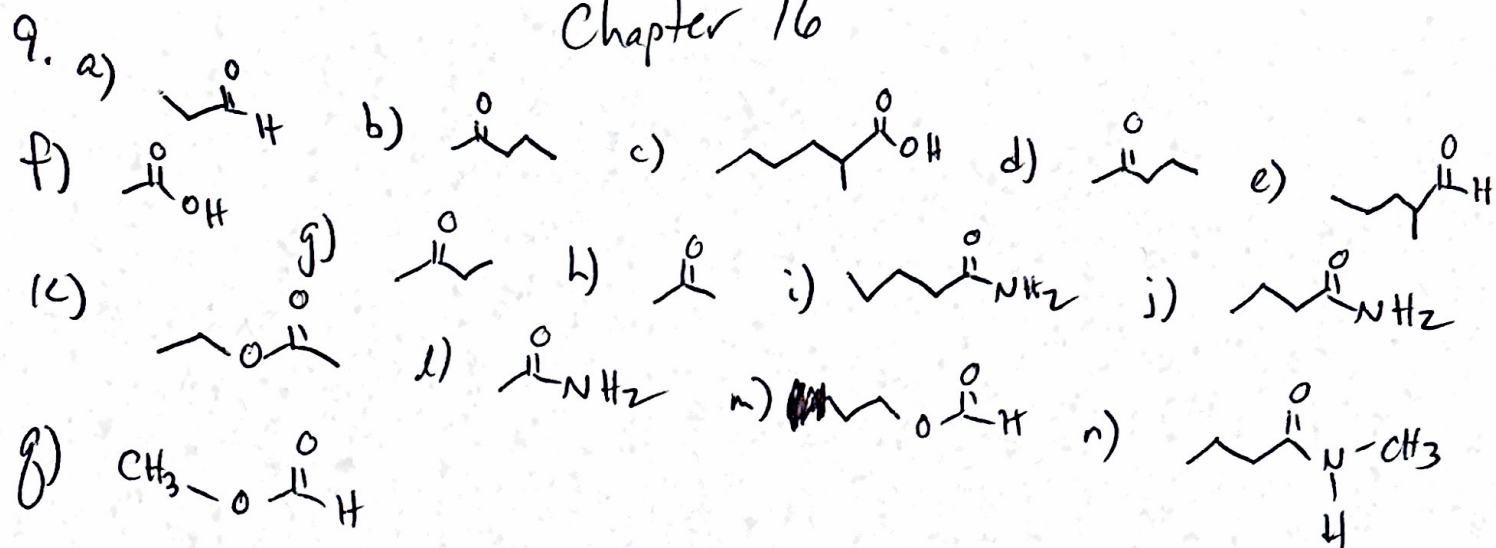
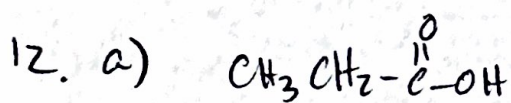


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10. a) cyclohexanone b) 4-methylpentanal c) 2-methylpentanoic acid
 d) 3-hexanone e) N-methylpropanamide f) phenylpropanoate
 11. a) aldehyde b) carboxylic acid c) ketone d) amide
 e) ester

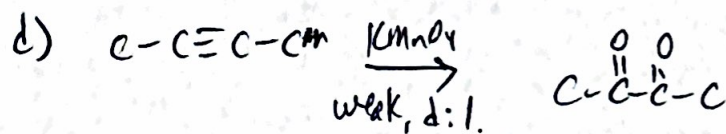
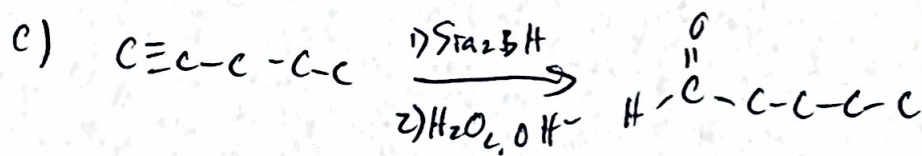
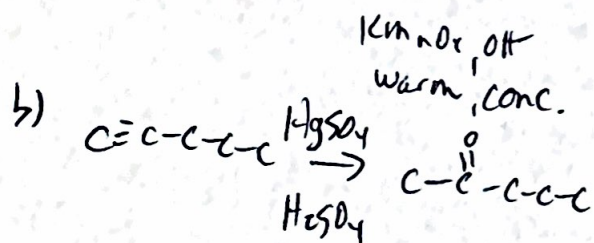
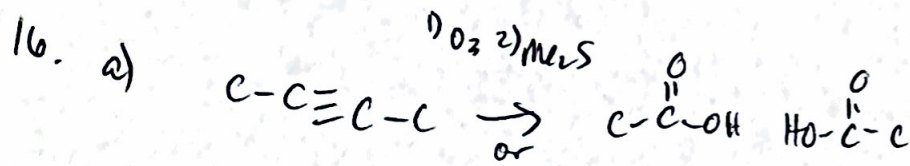


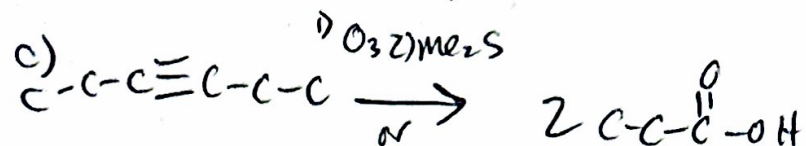
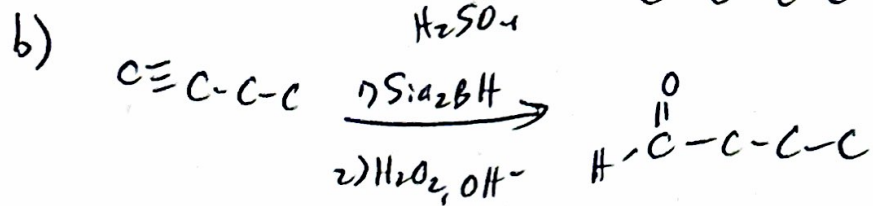
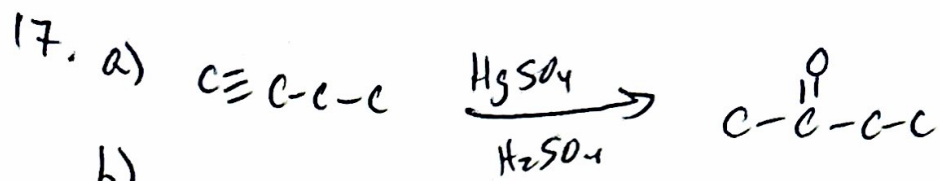
Chapter 16

13. a) CCC(=O)C b) CCC(=O)C c) NO REACTION d) NO REACTION
 e) NO REACTION f) CCC(=O)C g) CCC(=O)O h) CCC(=O)O
 i) NO REACTION j) NO REACTION k) CCC(=O)C l) CCC(=O)C
 m) CCC(=O)C n) CCC(=O)C o) NO REACTION p) NO REACTION

14. a) $\text{Na}_2\text{Cr}_2\text{O}_7, \text{H}_2\text{SO}_4$ b) PCC c) $\text{Na}_2\text{Cr}_2\text{O}_7/\text{H}_2\text{SO}_4$
 d) PCC e) $\text{Na}_2\text{Cr}_2\text{O}_7/\text{H}_2\text{SO}_4$ f) PCC

15. a) CCC(=O)C b) CCC(=O)C c) CCC(=O)O + CO_2
 d) CCC(=O)O + CO_2





Strong, conc
 $\text{KMnO}_4, \text{OH}^-$

