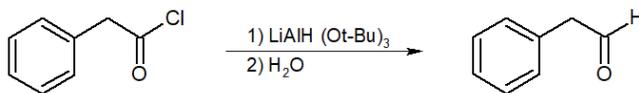


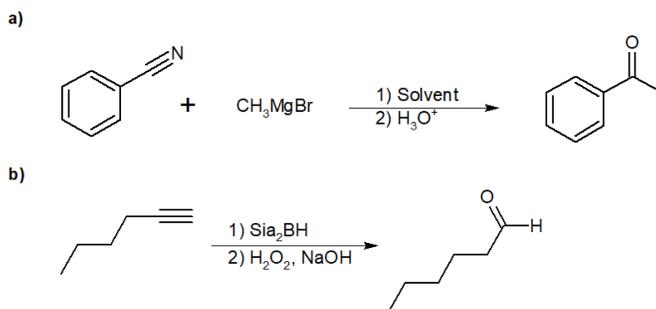
19.17: SOLUTIONS TO ADDITIONAL EXERCISES

General Review

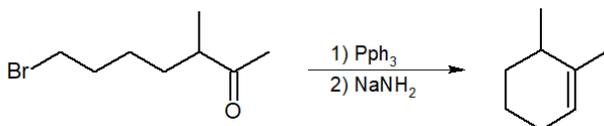
19-1



19-2



19-3

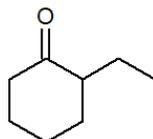


19-4

1. B
2. A

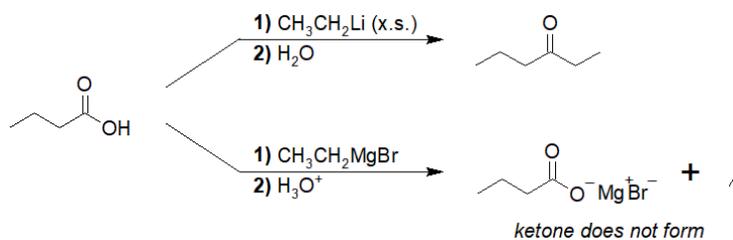
19-5 Answer: C

19-6

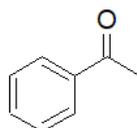


Synthesis of Ketones from Carboxylic Acids

19-7:



19-8:



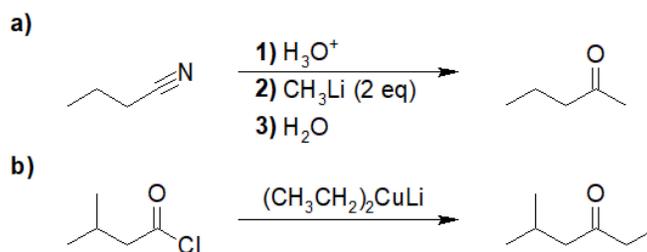
1-phenylethan-1-one

19-9:

Answer: A

Synthesis of Ketones and Aldehydes from Acid Chlorides, Esters, and Nitriles

19-10:



19-11:

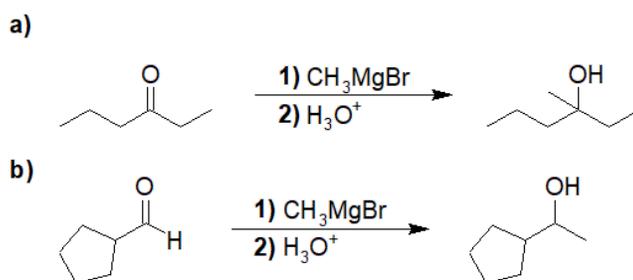
Answer: A

19-12:

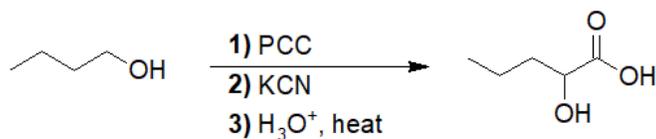
Answer: C

Reactions of Ketones and Aldehydes

19-13:



19-14:

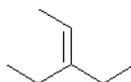


19-15:

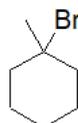
Answer: D

The Wittig Reaction

19-16:



19-17:

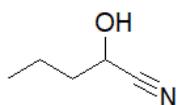


19-18:

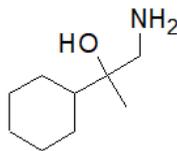
Answer: B

Formation of Cyanohydrins

19-19:



19-20:

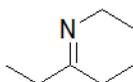


19-21:

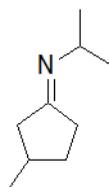
Answer: B

Formation of Imines

19-22:



19-23:



19-24:

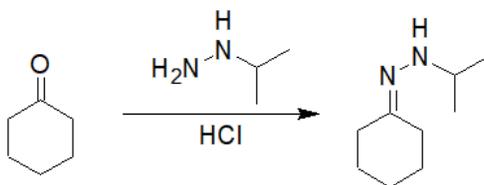
Answer: A

Condensations with Hydroxylamine and Hydrazines

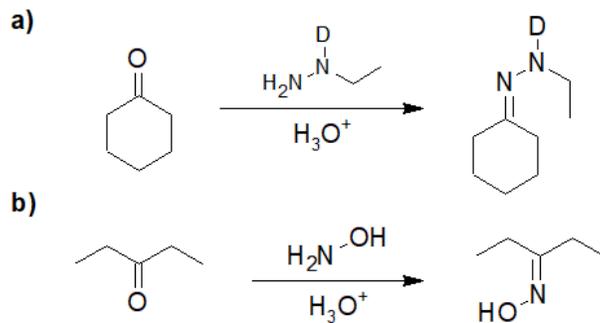
19-25:

Answer: D

18-26:

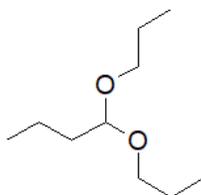


19-27:



Formation and Use of Acetals

19-28:



19-29:

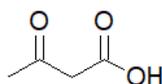
Answer: C

19-30:

Answer: A

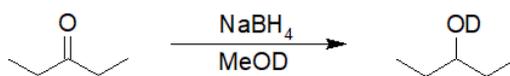
Oxidation of Aldehydes and Reductions of Ketones and Aldehydes

19-31:

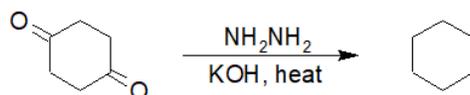


19-32:

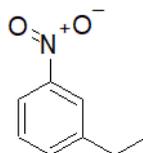
a)



b)



19-33:



1-ethyl-3-nitrobenzene

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