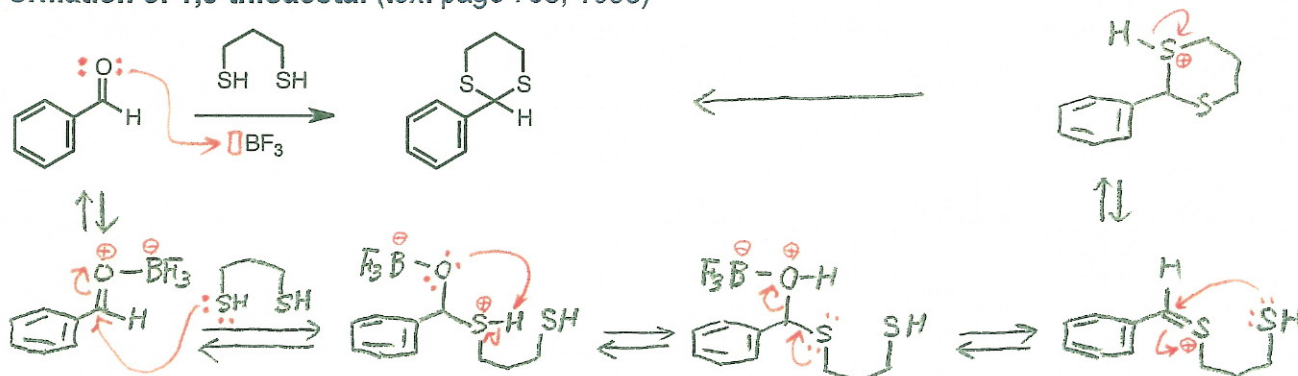


G-30 Bioorganic Chemistry Problems -3

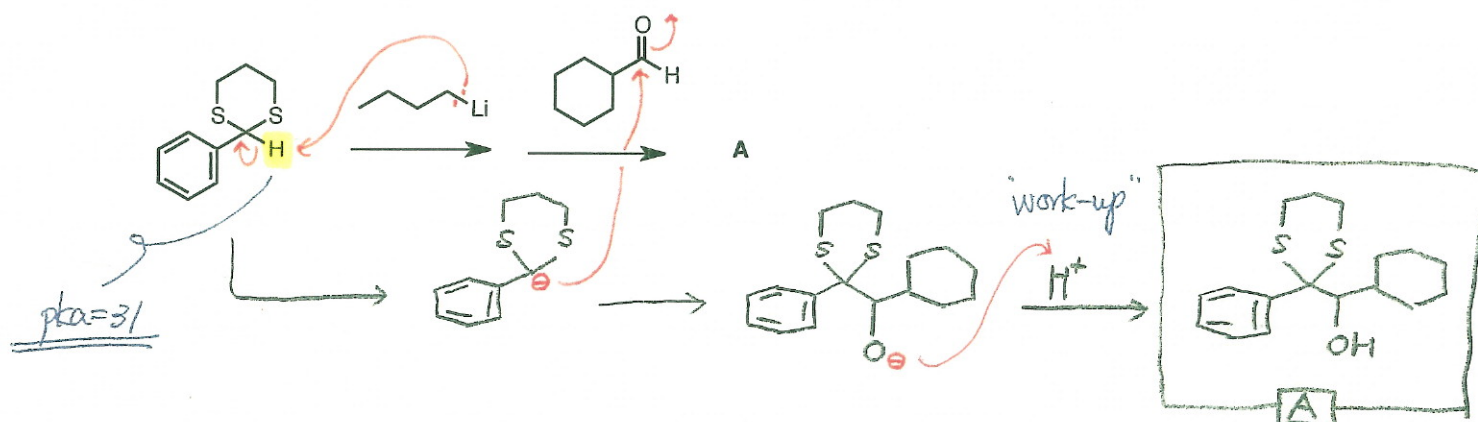
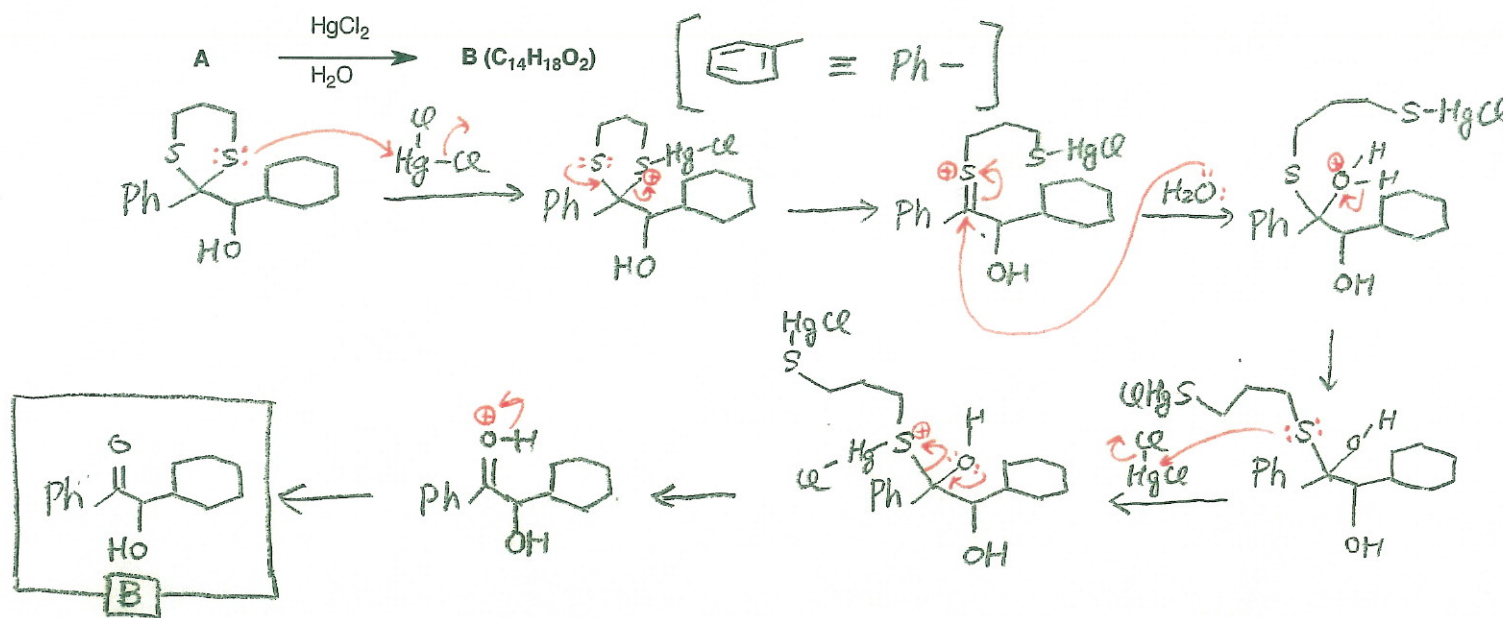
Examples of solutions

1. Write the mechanisms and the products of the following reactions.

(a) Formation of 1,3-thioacetal (text page 795, 1098)



(b) 1,3-dithiane stabilizes anion (text page 1098)

(c) dithioacetal is hydrolyzed with Hg^{2+} salt (text page 796, 1099)

2. Write the mechanisms of the following reaction.

Thiazolium ion is an equivalent to acyl anion (text page 1099-)

