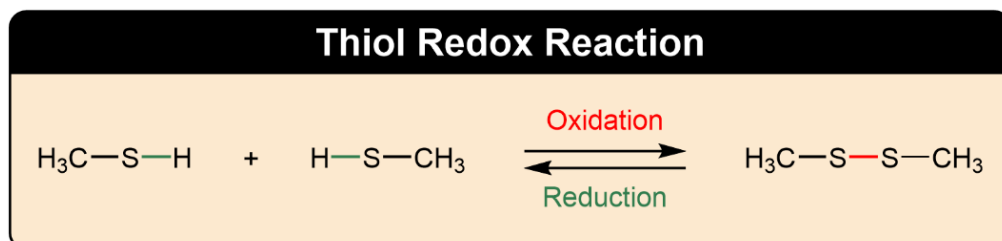


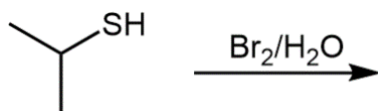
CONCEPT: REACTIONS OF THIOLS

- The oxidation of thiol with an oxidizing agent (e.g., _____) yields _____.
 - _____ moles of thiol produce _____ mole of disulfide.
 - S—H bonds from each thiol molecule are _____ and S—S bond is _____.

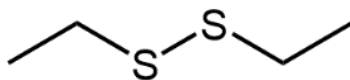


- Reduction reaction will convert disulfide back into thiol.

EXAMPLE: Determine the product of the following oxidation reaction.



PRACTICE: Which thiol will produce the following disulfide upon oxidation?



PRACTICE: Draw product of the following reaction.

