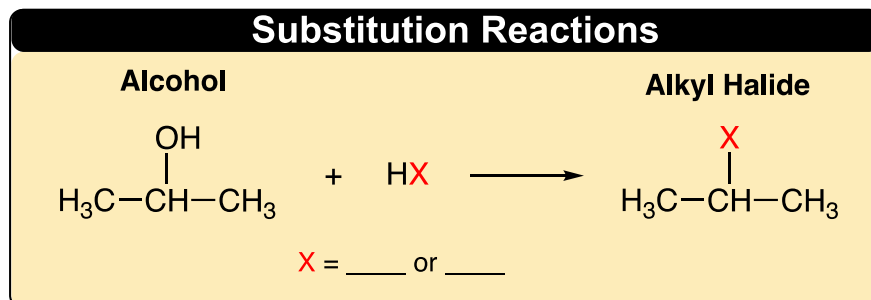


CONCEPT: ALCOHOL REACTIONS: SUBSTITUTION REACTIONS

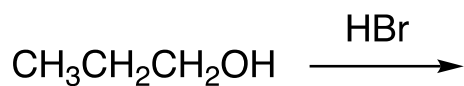
- Under this type of reaction _____ or _____ reacts with an alcohol.

□ _____ changes OH into Cl.

□ _____ changes OH into Br.



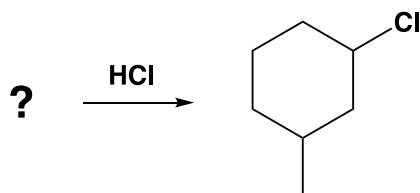
EXAMPLE: Determine the alkyl halide formed in the following reaction.



PRACTICE: Name the product formed when 2-pentanol is treated with hydrochloric acid.

- a) 2-pentanoic acid b) 3-chloropentane c) 3-pentanol d) 2-chloropentane

PRACTICE: Name the starting alcohol used in the following reaction.



- a) 1-methylcyclohexanol b) 3-methylhexanol c) 3-methylcyclohexanol d) 2-methylcyclohexanol