



# ORGOREVIEW

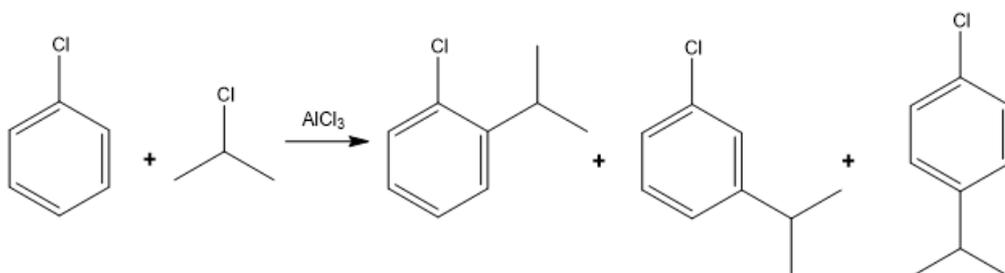
## Question Vault

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Reaction of chlorobenzene with isopropyl chloride in the presence of a Lewis acid catalyst forms the product mixtures indicated at the reaction time and temperature shown. Which statement(s) is/are true regarding this reaction?

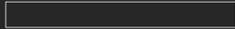


5°C, 1 hour; ortho/meta/para = 63/5/32  
25°C, 7 days; ortho/meta/para = 63/5/32

- (A) The activation energy for formation of the meta product is higher than that for formation of the ortho and para products.
- (B) The meta isomer is the most stable isomer.       (C) The para isomer is the most stable isomer.
- (D) The ortho isomer has the highest activation energy for formation.       (E) Both A and B       (F) Both C and D

## VIDEO SOLUTION





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Todd's Test Prep

2255 Glades Road

Suite 324A

Boca Raton, Florida 33431

E-mail: [help@orgoreview.com](mailto:help@orgoreview.com)

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