



Electrophile involved in above rx<sup>n</sup> is:-

- (a) Dichloromethyl cation ( $\overset{+}{\text{C}}\text{HCl}_2$ )
- ✓ (b) Dichlorocarbene ( $:\text{CCl}_2$ )
- (c) Trichloromethyl anion ( $\bar{\text{C}}\text{Cl}_3$ )
- (d) Dichloromethyl anion ( $\bar{\text{C}}\text{HCl}_2$ )

The reaction is Reimer Tiemann rx<sup>n</sup> in which the electrophile involved is dichlorocarbene.