

Q) The increasing order of reduction of alkyl halides with zinc and dilute HCl is

(a) $R-Cl < R-I < R-Br$

(b) $R-Cl < R-Br < R-I$

(c) $R-I < R-Br < R-Cl$

(d) $R-Br < R-I < R-Cl$

Sol: (b) The reactivity of reduction of alkyl halides with Zn/HCl increases as the strength of the C - X bond decreases, i.e., $R-Cl < R-Br < R-I$