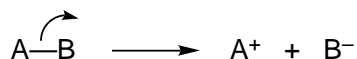


heterolysis (heterolytic)

The cleavage of a *covalent bond* so that both bonding electrons remain with one of the two fragments between which the bond is broken, e.g.



Heterolytic bond fission is a feature of many *bimolecular* reactions in solution (e.g. *electrophilic* substitution, *nucleophilic* substitution).

See also *homolysis*, *heterolytic bond-dissociation energy*.
1994, 66, 1120