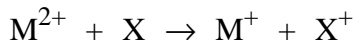


**charge-transfer reaction (in mass spectrometry)**

An ion/neutral species reaction wherein the total charge on the reactant ion is transferred initially to the reactant neutral species so that the reactant ion becomes a neutral entity. Considering some of the possible reactions of ions  $M^{2+}$ ,  $M^+$  and  $M^-$  with a neutral species X, these would be further categorized as follows:



(Partial charge transfer)



(Charge stripping)



(Charge stripping and charge inversion)

All are ion/neutral species reactions and also charge permutation reactions.  
1991, 63, 1555