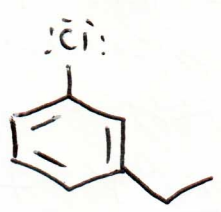


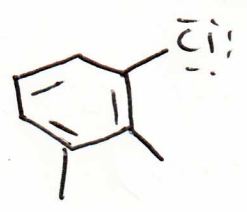
Halides and other functional groups that have delocalizable lone pairs cause ^{greater} electron density to exist @ the ortho + para ~~para~~ positions versus the meta position. This preferential/unequal distribution of electron density is due to resonance, and has no connection to whether the functional group overall adds or removes electron density.

Whether a functional group is activating or deactivating is solely due to whether (overall) electron density is added to or removed from the ring, not on what occurs during delocalization.



1-chloro-3-ethylbenzene (systematic)

m-chloroethylbenzene (quasi-systematic)



~~2,3-dimethyl~~ 1-chloro-2,3-dimethylbenzene

