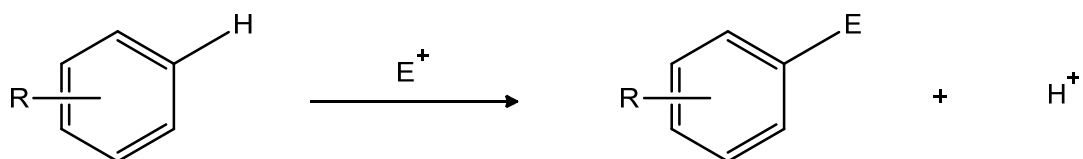
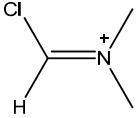


The electrophilic aromatic substitution – overview of relevant reactions



E^+		Product
Br^+	Electrophilic bromination	Ar-Br
Cl^+	Electrophilic chlorination	Ar-Cl
NO_2^+	Nitration	Ar-NO ₂
SO_3 or HSO_3^+	Sulfonation	Ar-SO ₃ H
HSO_3Cl	Chlorosulfonation	Ar-SO ₃ HCl
$\text{D}^+ / {}^2\text{H}^+$	Deutration / isotop exchange	Ar-D / Ar- ² H
R^+	Friedel-Crafts alkylation	Ar-R
${}^+\text{CH}_2\text{Cl}$	Chloromethylation	Ar-CH ₂ Cl
RCO^+	Friedel-Crafts acylation	Ar-COR
$\text{H}-\overset{+}{\text{C}}\equiv\text{O}$	Gattermann-Koch	Ar-CHO
	Vilsmeier-Haack formylation	Ar-CHO
Ar-N_2^+	Diazo-coupling	Ar-N=N-Ar