

Arrange the mechanism steps in order:

Bromination of benzene

Step	Mechanism
Step 1	
	Bromine combines with FeBr ₃ to form a complex.
Step 2	
	The benzene ring donates an electron pair to the terminal bromine, forming the arenium ion and neutralizing the formal positive charge on the other bromine.
Step 3	
	A proton is removed from the arenium ion to form bromobenzene and regenerate the catalyst.

