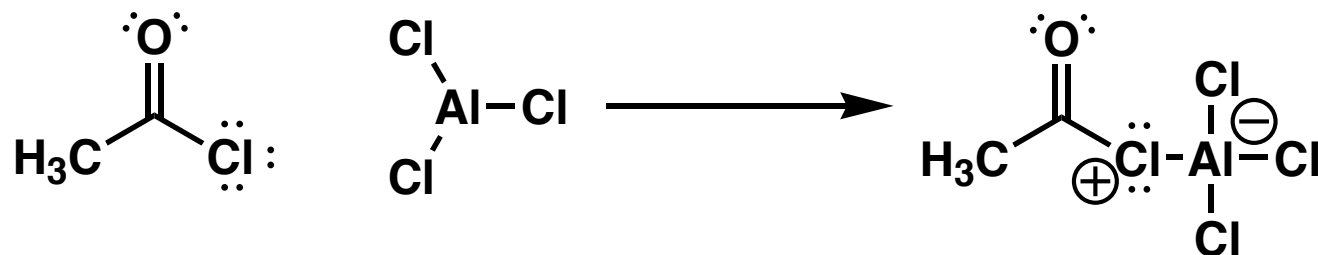


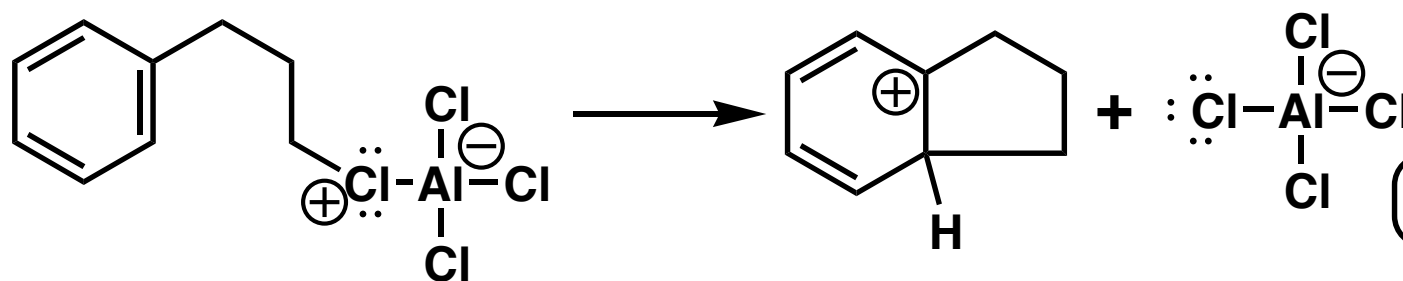
Discussion Problems (reaction mechanisms)



frontier orbitals?

→

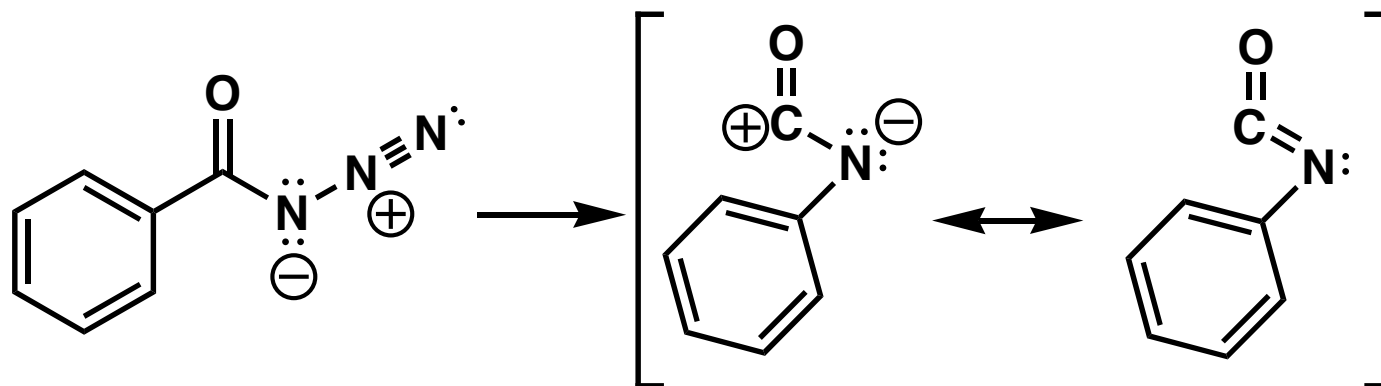
the interaction is (circle one)
 σ -type π -type



frontier orbitals?

→

the interaction is (circle one)
 σ -type π -type



frontier orbitals?

→

the interaction is (circle one)
 σ -type π -type

Each chemical equation above represents one step of a reaction mechanism. Draw curved arrows to show the flow of electrons. Indicate the frontier orbitals involved and the type of interaction (σ -type or π -type). Your answer should be one of the nine possible combinations of filled \rightarrow empty orbital pairs (e.g., $n \rightarrow \pi^*$).

