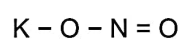
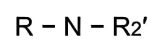


Formation of Product on the Basis of a Nucleophile

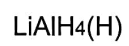
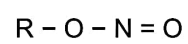
Type of Nucleophile (Nu ⁻)	Formation of Class of Compounds	Resultant compound (R – Nu)
H ₂ O	Alcohol	R – OH
NaI	Haloalkane	R – I
R'M ⁺	Alkane	R – R'
KCN	Nitrile	R – CN
AgCN	Isonitrile	R – NC
NaOR'	Ether	R – O – R'



Tertiary amine



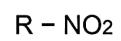
Alkyl nitrite



Hydrocarbon



Nitroalkane



Summary of Chemical Reactions

Type of Haloalkane	Elimination Reaction	Substitution Reaction & its Types
Primary	Not possible	Substitution Reaction Possible (SN ₂)
Secondary	Possible- On the basis of base strength	Substitution Reaction Possible (SN ₁ or SN ₂)- On the basis of nucleophile strength
Tertiary	Possible-On the basis of alkene stability	Possible- SN ₁