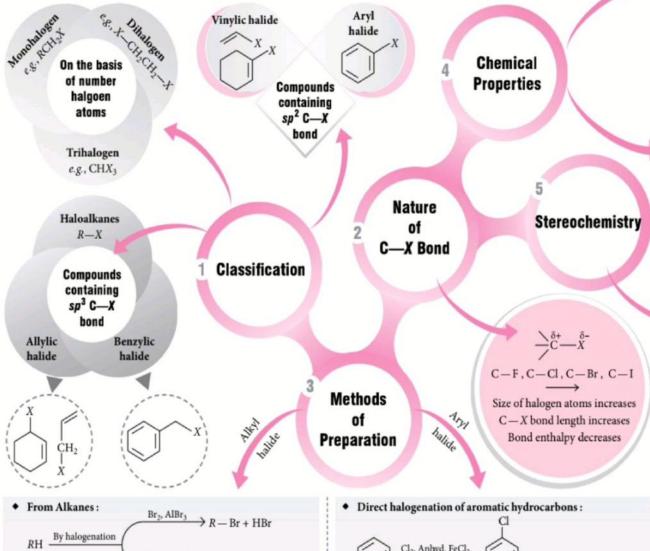
CONCEPT

HALOALKANES AND **HALOARENES**



Cl₂, Sunlight $\rightarrow R - Cl + HCl$ ◆ From Alcohols: $R - Cl + POCl_3 + HCl$ $\rightarrow R - Br + H_3PO_3$ R - OH -

- $\rightarrow R Cl + SO_2 \uparrow + HCl \uparrow$ Finkelstein Reaction: $R - X + \text{NaI} \xrightarrow{\text{Dry acetone}} R - I + \text{NaX}$
- Swarts Reaction: $RBr + AgF \longrightarrow R F + AgBr$
- **Hunsdiecker Reaction:** $RCOOAg + Br_2 \xrightarrow{CCl_4/Reflux} R - Br + CO_2 + AgBr$

• From diazonium salts:

Sandmeyer's reaction (CuCl/HCl) and Gattermann reaction (Cu/HCl) N≡NCl⁻ or, Cu/HCl CuBr/HBr or, Cu/HBr

−он ∦но−

C2H5

C2H5

COOH

Plane of

(Superimposable)

of the other enantiomer. It is

represented by prefixing dl or (±) before the name. For