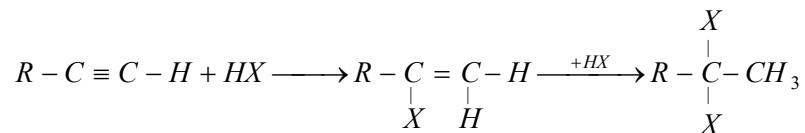


Preparations and properties of Dihalides.

(1) Methods of preparation of dihalides

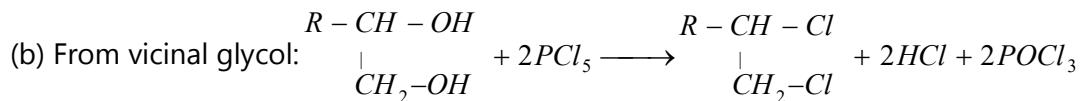
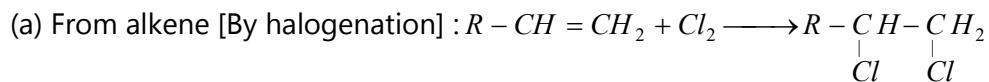
(i) Methods of preparation of gemdihalide

(a) From alkyne (Hydrohalogenation) :



Note: If ketone is taken internal dihalide formed.

(ii) Methods of preparation of vicinal dihalide



(2) Properties of dihalides

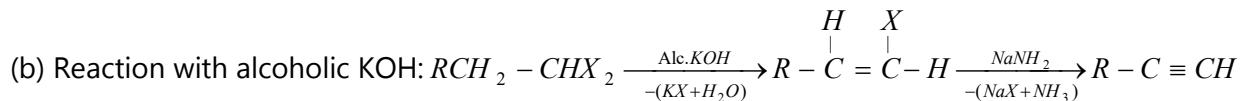
(i) Physical properties

(a) Dihalide are colourless with pleasant smell liquid. Insoluble in water, soluble in organic solvent.

(b) M.P and B.P \propto molecular mass.

(c) Reactivity of vicinal dihalides > Gem dihalide.

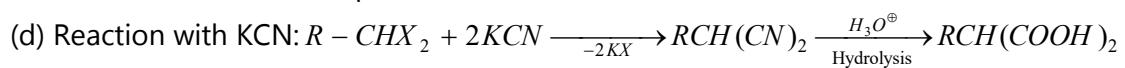
(ii) Chemical properties of dihalide



(c) Reaction with Zn dust

Gem halide (di) form higer symmetrical alkene.

Vicinal dihalide form respective alkene.



(e) Other substitution reaction

