



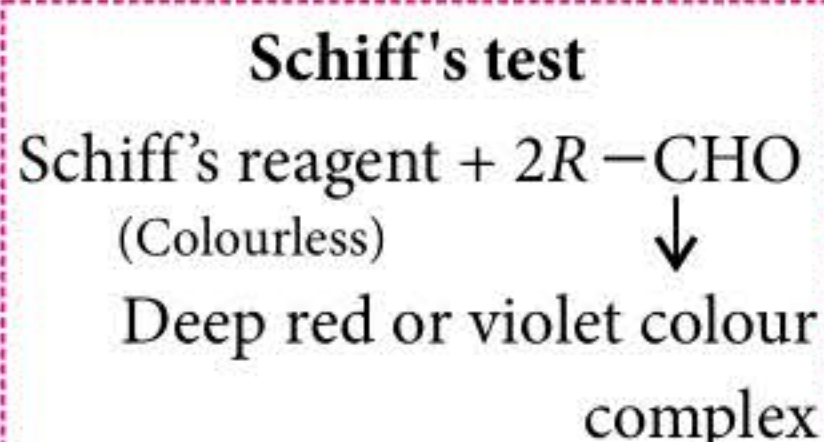
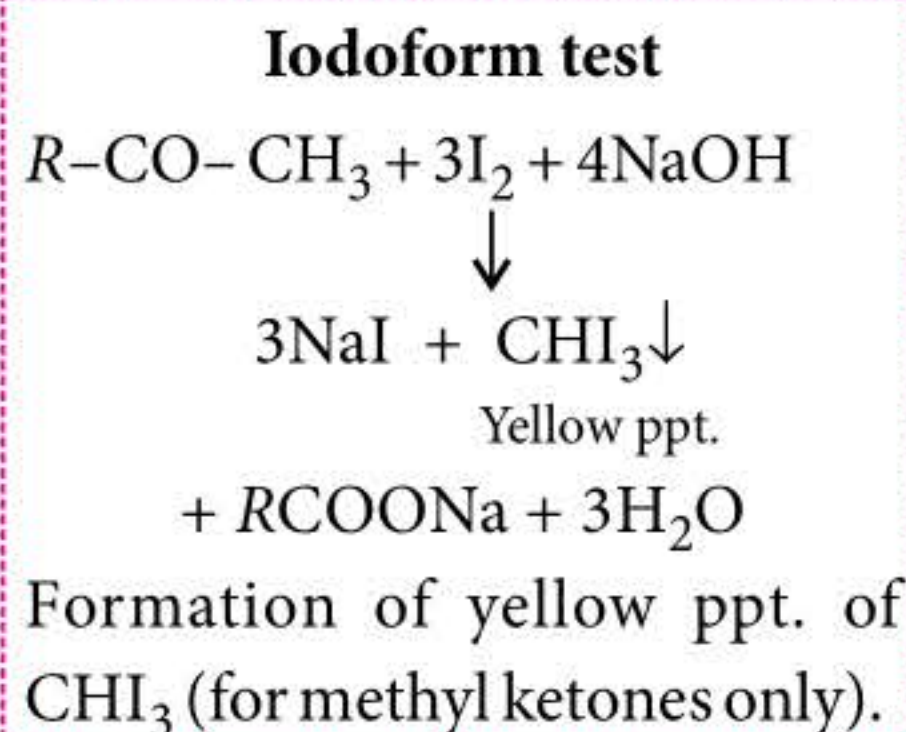
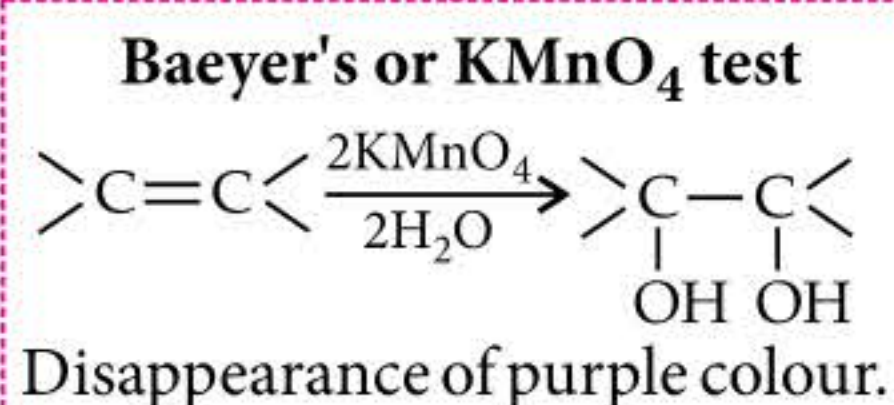
DETECTION OF ORGANIC FUNCTIONAL GROUPS

Functional groups are the specific groups of atoms within molecules that have characteristic properties regardless of the other atoms present in a molecule. The identification of functional groups and the ability to predict reactivity based on functional group properties is one of the cornerstones of organic chemistry.

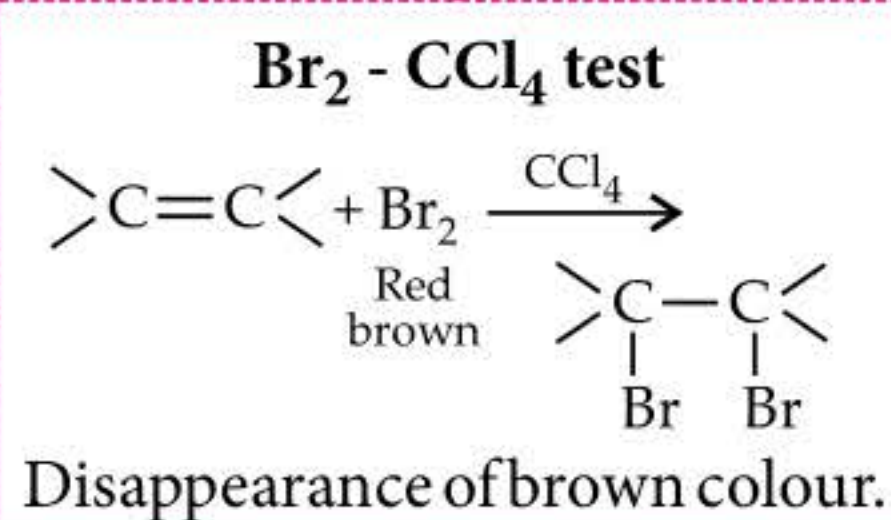
CONCEPT
MAP

Detection of functional group

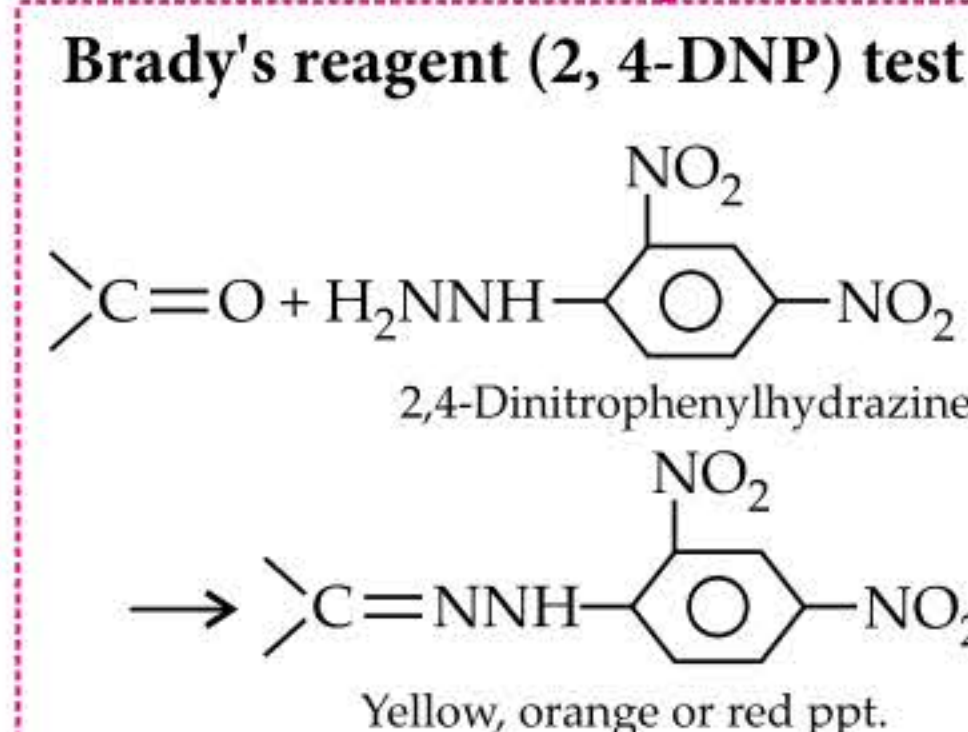
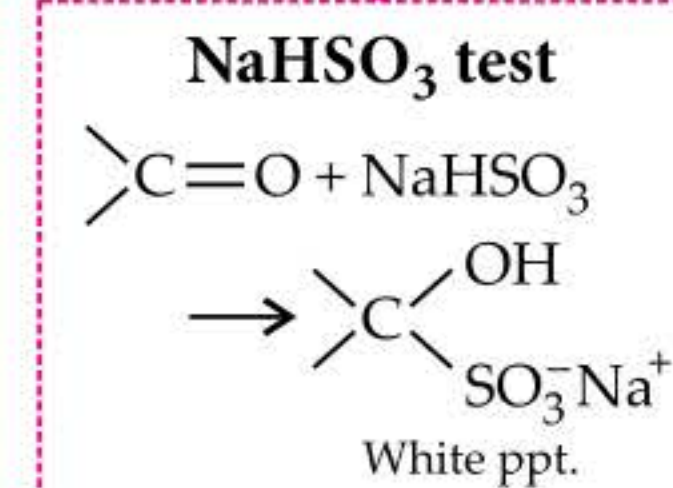
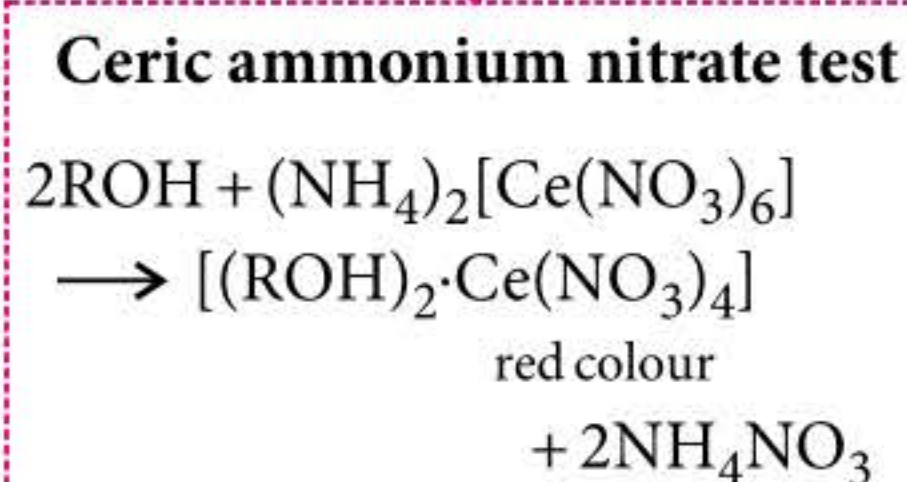
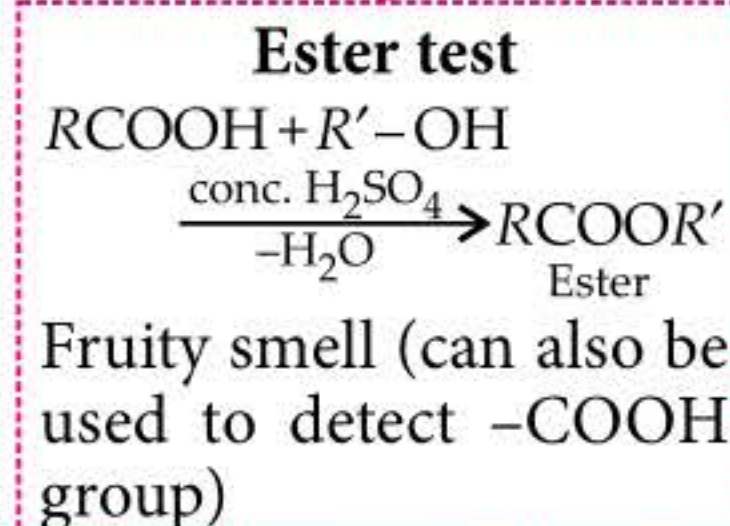
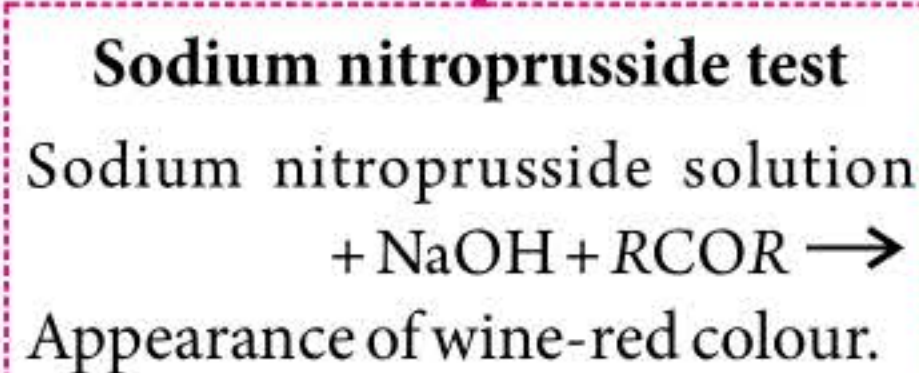
Detection of unsaturation



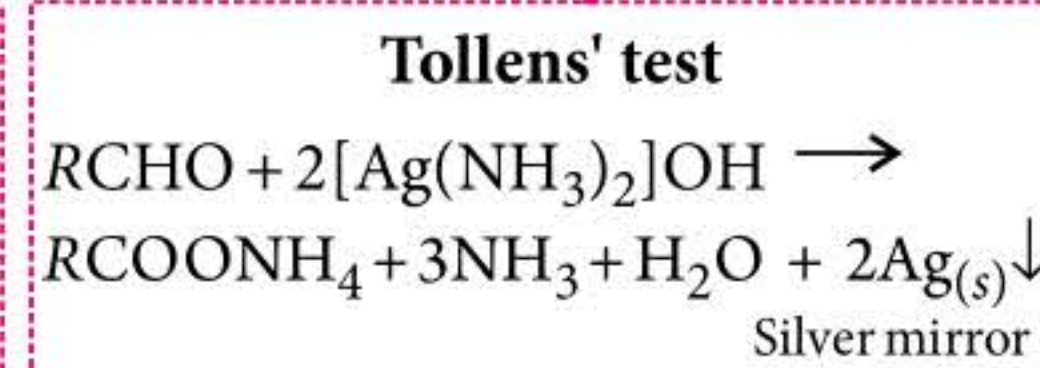
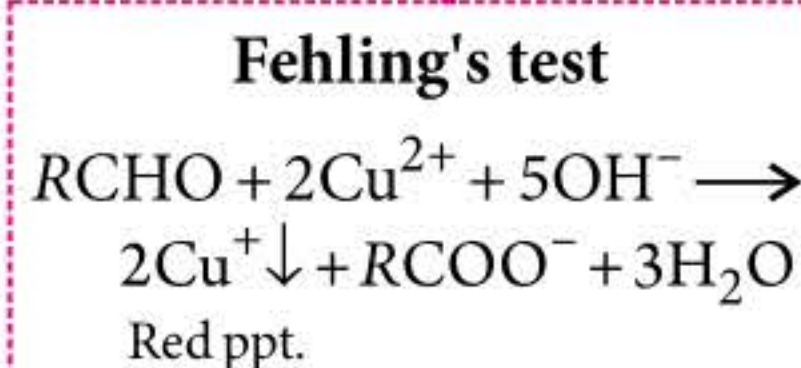
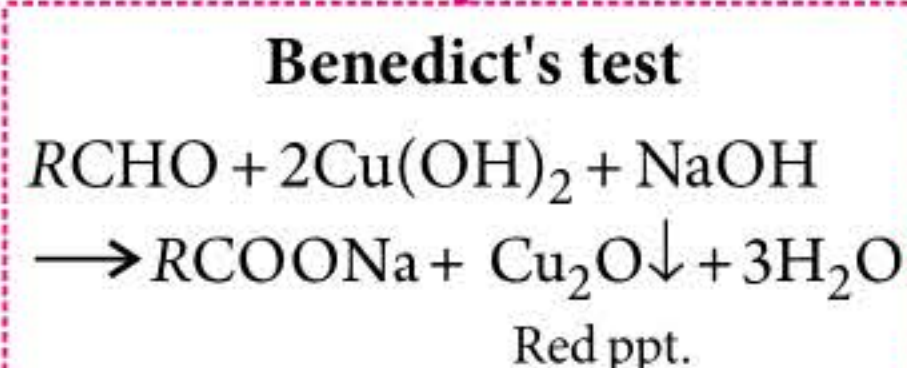
Detection of carbonyl group



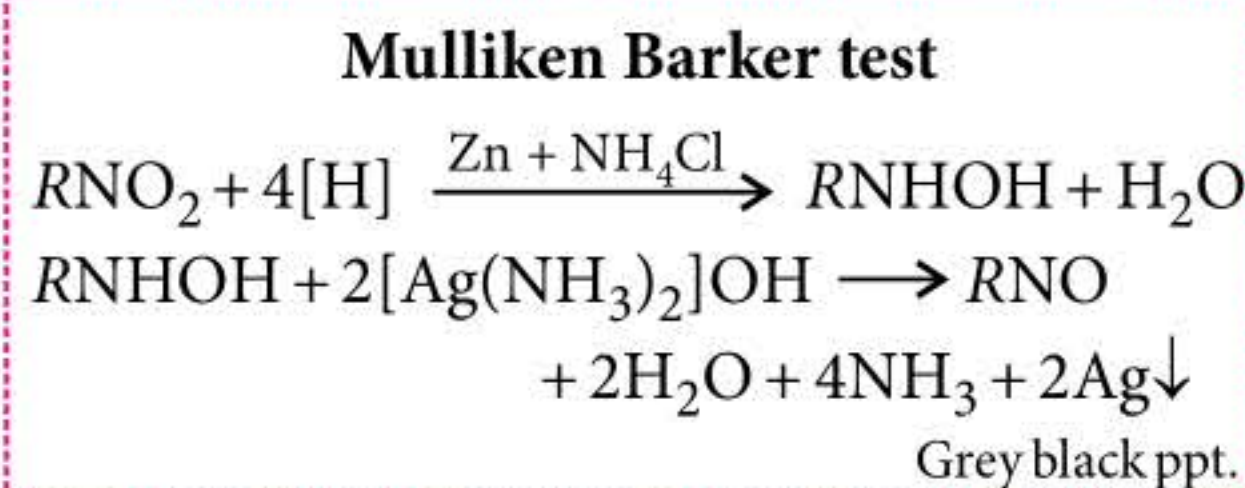
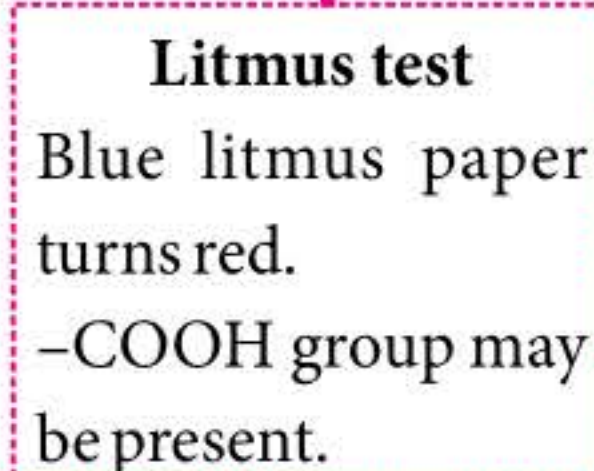
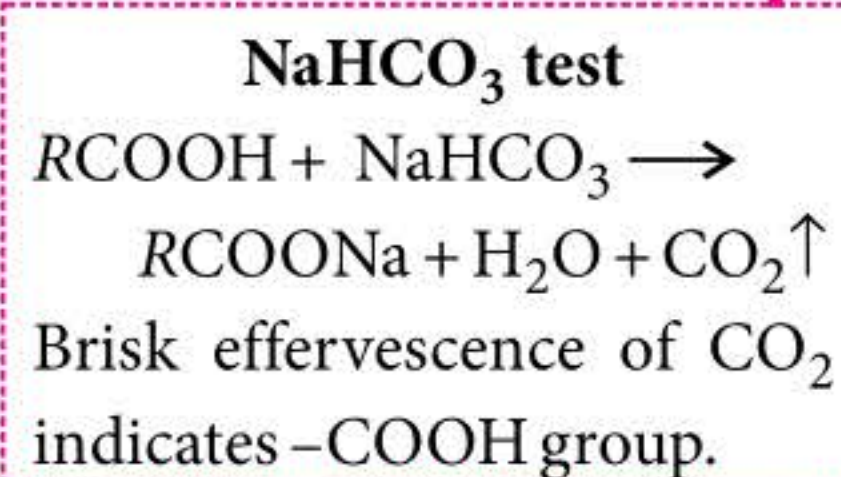
Ketonic group



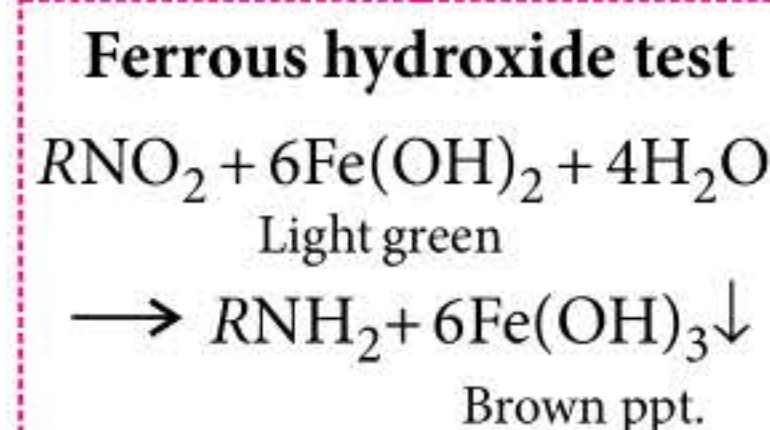
Aldehydic group



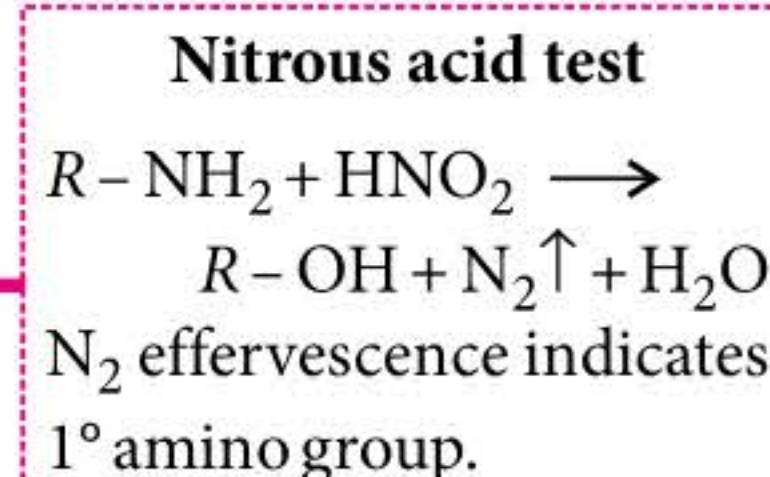
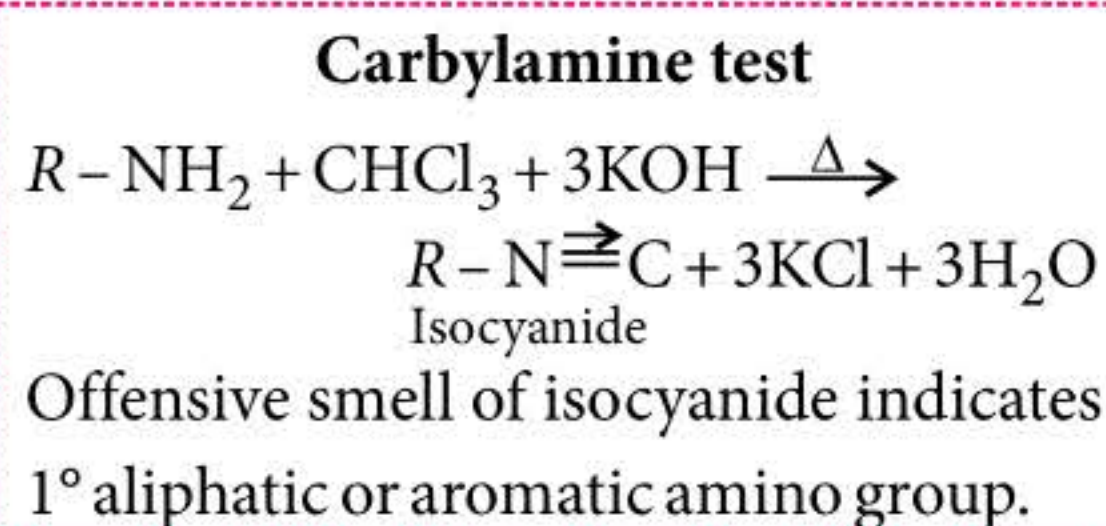
Detection of carboxylic group



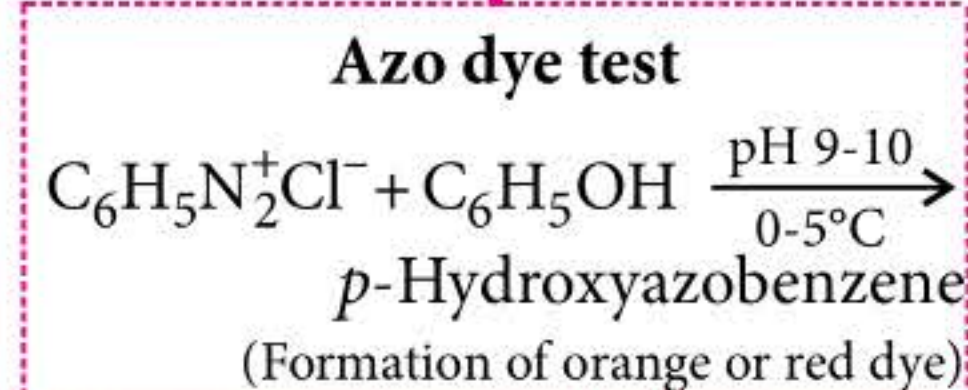
Detection of nitro group



Primary amine



Detection of phenolic group



Detection of amino group

Secondary amine

