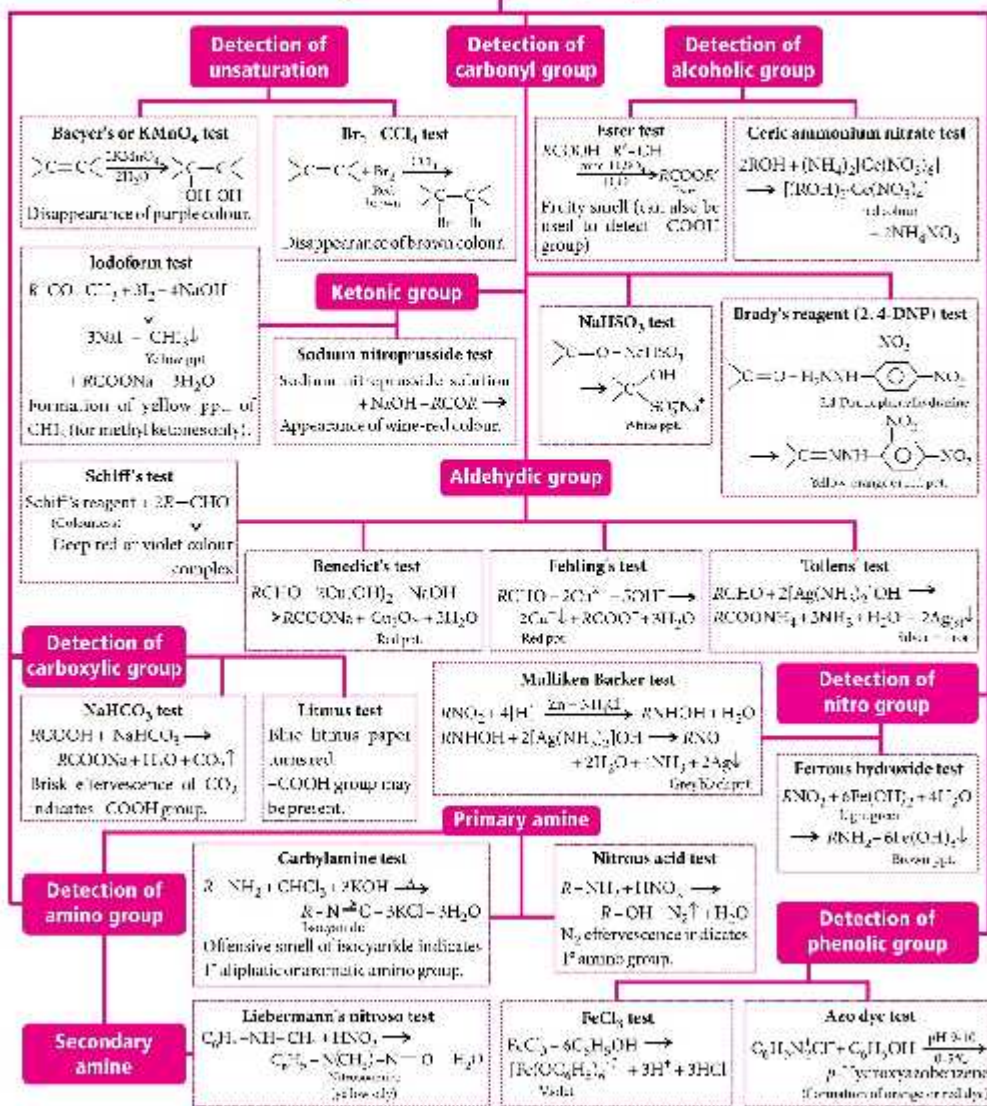


## DETECTION OF ORGANIC FUNCTIONAL GROUPS

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.

### Detection of functional group



## STEREOCHEMISTRY

Stereochemistry is a unique part of chemistry concerned with the study of the spatial arrangement of atoms and molecules in the compound, its effect on chemical reaction and relations to the properties of compounds. It is also known as 3D chemistry. Different enantiomers have different selectivity for biological targets and hence different biological actions. Hence stereochemistry has great importance in pharmaceutical industry.

### Stereoisomers

The isomers that are different from each other only in the way the atoms are oriented in space are called stereoisomers.

