

FUNCTIONAL GROUPS

Functional Groups	Compound Types	Prefix or Suffix Name
$ \begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{R}-\text{C}-\text{C}-\text{R} \\ \quad \\ \text{H} \quad \text{H} \end{array} $	alkane	--ane
$ \begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{H} \end{array} $	aldehyde	--al
$ \begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{R} \end{array} $	ketone	--ane
$ \text{R}-\text{C}\equiv\text{N} $	nitrile	--nitrile
$ \begin{array}{c} \text{N}-\text{R}_3 \\ \\ \text{R}_1-\text{C}-\text{R}_2 \end{array} $	imine	--imine
$ \begin{array}{c} \text{O} \\ \diagup \quad \diagdown \\ \text{R} \quad \text{R} \end{array} $	ether	--axy, --ane
$ \begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{X} \end{array} $	acyl halide	--oyl halide