

# Lewis structure to shape & polarity

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Group seven only form single bond

Angle distorted

- Angle change due to lone pair which bond pair repulsion

Electron domain

- Number of electron pair surrounding the central atom
- Category to Number of bonding pair and number of lone pair

Double bond counts toward 1 bonding pair

Electron geometry : depends on the number of pair electron

Molecular geometry: depends on the number of bonding pair

Bonding angle: form due to bonding pair electron

- Lone pair electron has stronger repulsion which affect bonding angle change

Electronegativity of an element is a measure of its ability to attract to pair of electron

- Every element has a value from 0-4 for electronegativity

Expanded octet - more than 8 electron on a atom