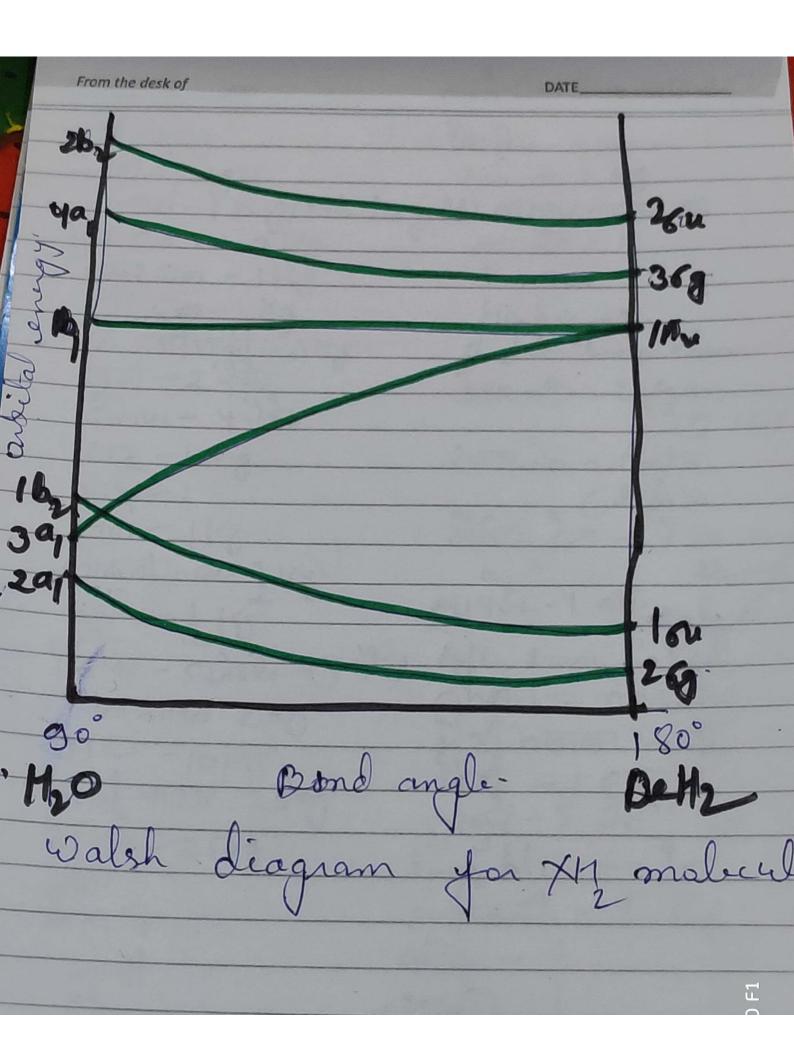
Walsh Diagram Walsh diagram is a correlation diagram and fautliet about geometry entroduce in 1953. In this diagram platted against bond angle. Tatal energy is the Sum all the orbitals binding energies Stadilization or distabilization of all the orbitals by a change lin the angle, we can predict the equilibrium bond angle for a given state of al molecule. Only valence electron orbitals are vues in plotting Walsh diagram because core orbitals law very low in energy.
To inderstand walsh diagram circulation diagram of Boly and Thus walsh diagram is a camilation diagram of change of inherital probabilation as molecule distorted from suferince malecule when malecule distorted bond angle changed and bond energy change.

From the desk of De ve from that in 10 diagram De Belle form a Molecular arbillale 63 by omulapping of 25+4, 5 rent led Py and B remains as non Donding. There artitals one informented as 200, 100, 100, 300, 200 From M.o diagram of 120 5 molecular aditals are farmed and one remains as mon bonding. there molecular arbitals are represented by 2a, 3a, 1b2, 1b1, 4a, 2b Orbitals are arranged according



From this diagram it has been bened thet when distortion take place in the malecule and fond angle changed from 30° to 150° then energy of a change of the shift decreasing but about indicates of their sensites of slightly decreasing their energy and year and about slabilities by slightly decreasing their energy and year and about their energy but all their decreases of their energy their energy and their points of the marries of the moderal them the molecule to marries from bent to linear get observed that when distantion from Dent lo linear get Schatted therefore it Drefere bent strukture semilar. Condition Faky blace with Bell: as if more from 150 to 90. The Sagar if puferes Vinearin