

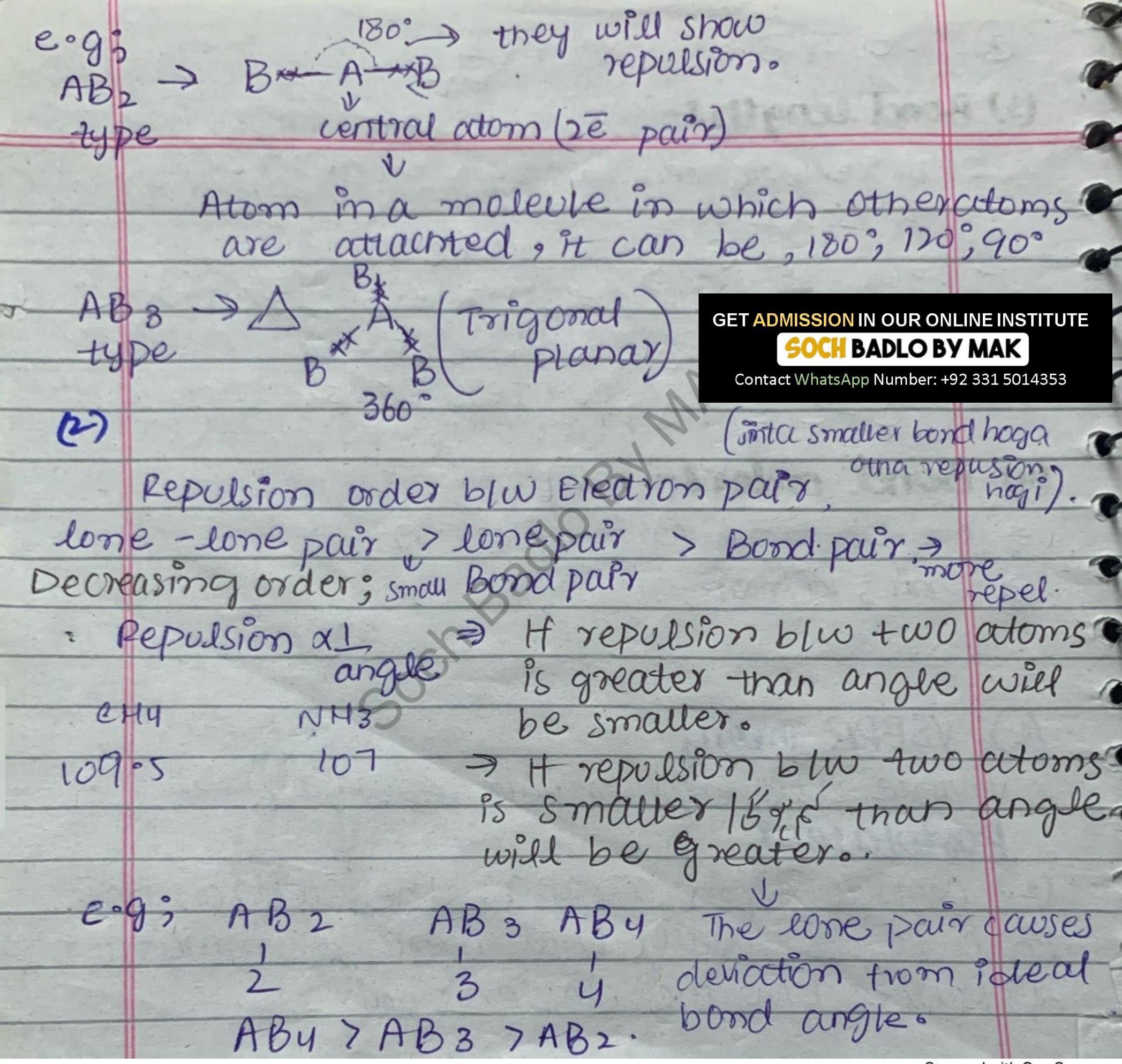
GET ADMISSION IN OUR ONLINE INSTITUTE SOCH BADLO BY MAK Bond energy s-Contact WhatsApp Number: +92 331 5014353 > Amount of energy required to break 1 mal of bond on I Amount of energy released when I mal of bond is formed from it's element under Standard condition, BH° under => 1 atm pressure 298K/25% -> Temproom It can be exothermic or endothermic. Example 8-DH = 436 Kjølmal. 1 H & H -> H + H atom molecule -> endothermic -> absorb energy > enothermic mr > released energy. -> CI+CI DH=+243kj/moj atoms. > Extothermic > M2 DH = - 436 Kj/mol atom 3) C12 DH= - 2431/m01 atom conclusion 3 -- Bond formation release energy > Bond breaking absorb energy. (D) E . N Difference & polarity & Bond Strength & Bond -> Difference will make bond strong and high amount of energy is needed to

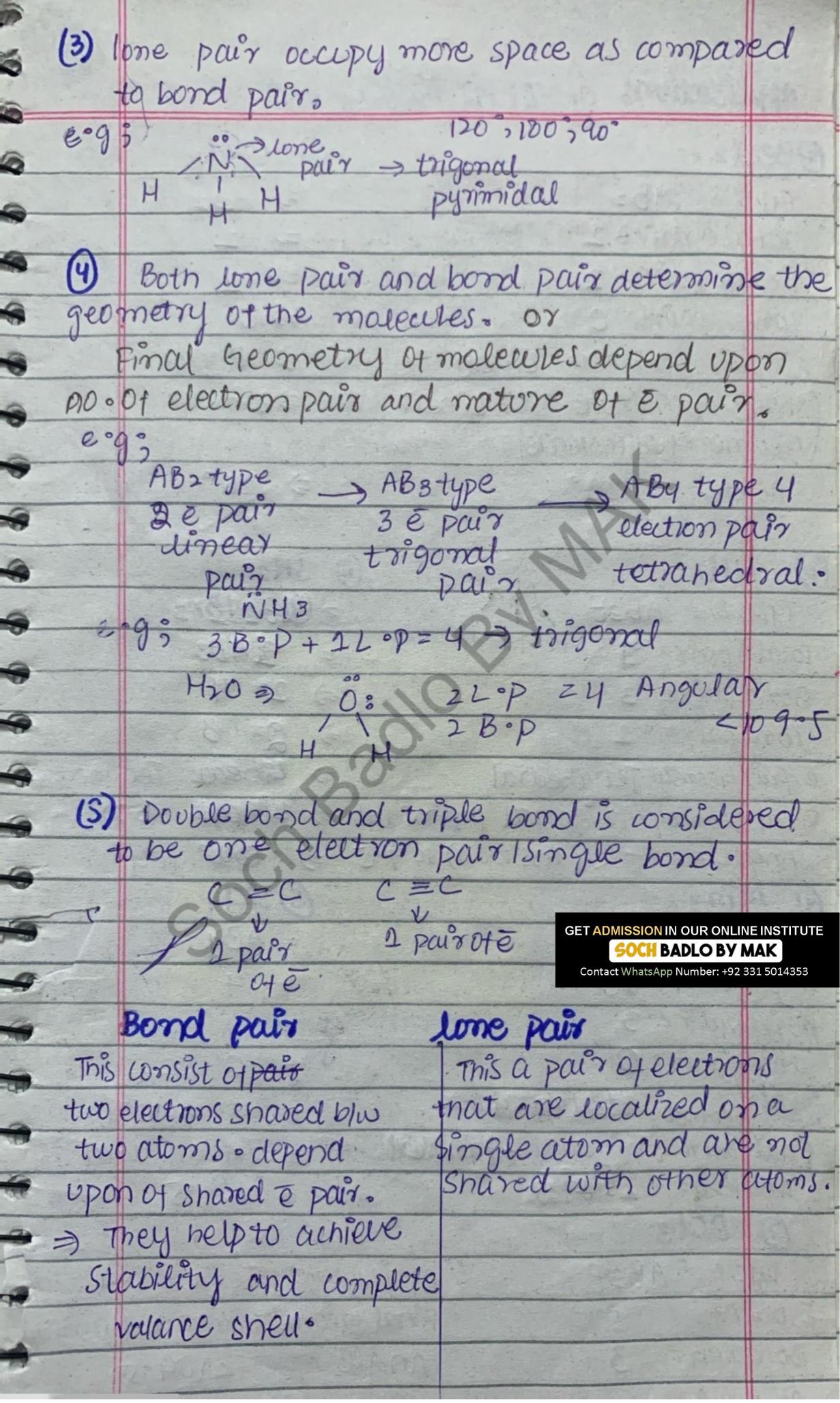
(1.9) (0.8) > HBY > HI 3 desease.

break bondo.

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3 size of Bonded atom & 1 (3) Bond Length 1-Distance between two bonded atom. BOL XI e 9° B°E Amstrong C-C 1.54A°); C=C 1.34A° > C = C 1.20A° C-H= 1.07A° more B.E C-C = 1.54A. less B.E (4) Bond order 8 - Ex > No of bond torm by atom > Unit; 4/mol **GET ADMISSION IN OUR ONLINE INSTITUTE SOCH BADLO BY MAK** Contact WhatsApp Number: +92 331 5014353 VSEPR Theory volunce shell Electron pair repulsion Theory. Postulates & (2) Central atom arrange the electron pair in a such a way that there is maximum distance blu the eletrons pair.





Applications of USEPR theory & geed 28-Type & AB2 Totale pair 2 2 GET ADMISSION IN OUR ONLINE INSTITUTE **SOCH BADLO BY MAK** Bond pair 2 2 Contact WhatsApp Number: +92 331 5014353 lone pour 2 0 e pair geometry z Linear (shape of Molecule) = Linear geometry of Molecule Angle = 180° (3) NH3 Type & AB3E Total & pair = 4 Bond pairz 3 2) lonepairz 1 =) E pair Geonetz Tetrahedral 2) Final Geometryz Trigonal pyrimidal Angle z × (less than) 109°5 (4) Albr3 Types = AB3 GET ADMISSION IN OUR ONLINE INSTITUTE e Total pairs \$3 **ICH BADLO BY MAK** Contact WhatsApp Number: +92 331 5014353 Bond pairz 3 lone pour D e pour geometry Prignant puner final Geometyz Prigonal planner Angle 1- 120 1 PCl3 Pype z AB3E e pair Geom é pour = 4 Final Geor Bond pairz 3 Angle z lone pair z

