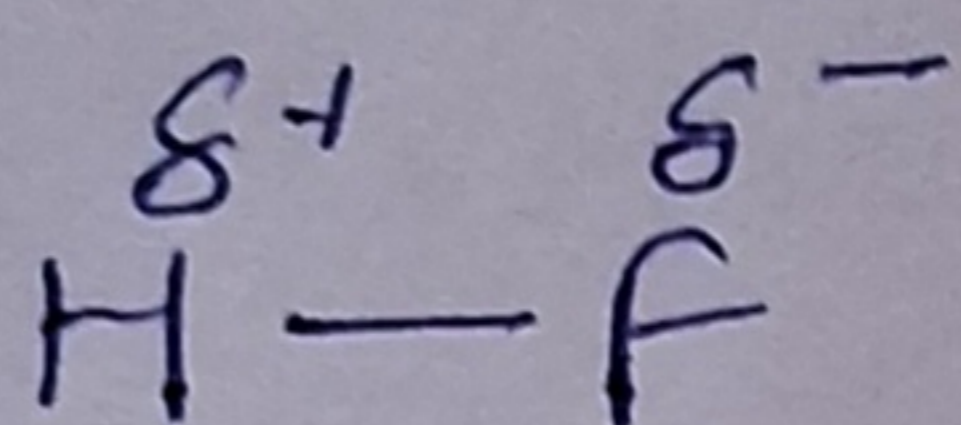


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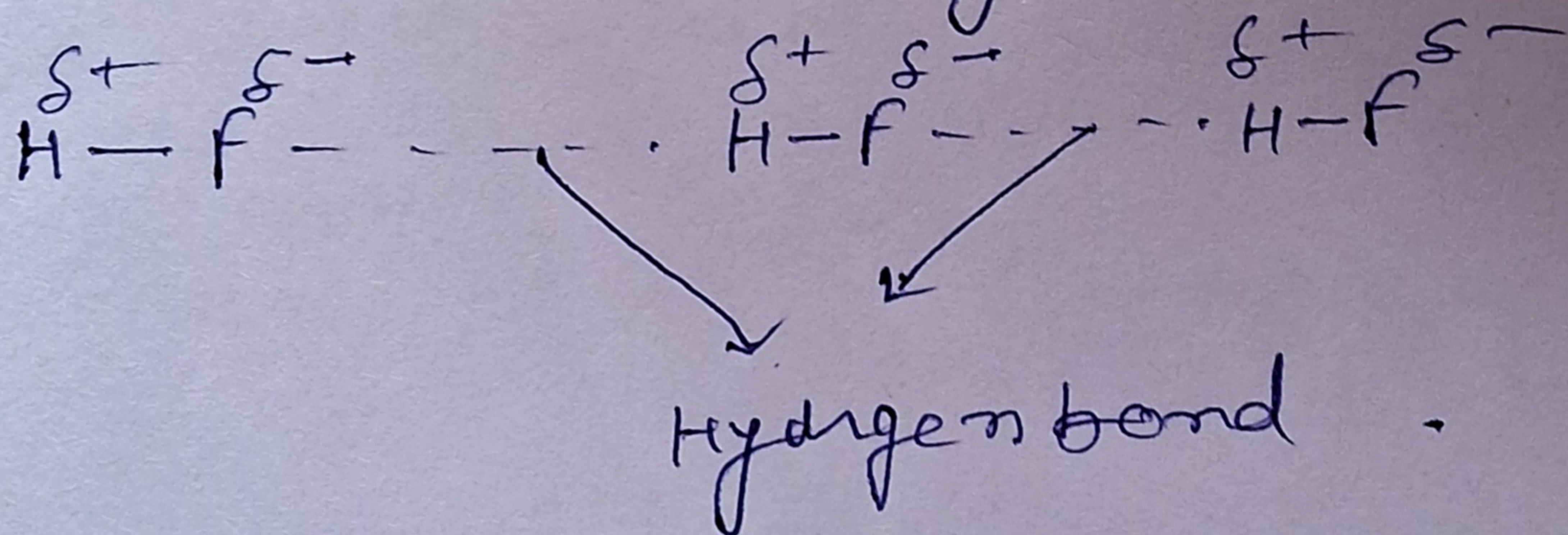
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Hydrogen bond

Hydrogen bond is a weak force of attraction formed between H atom and highly electronegative atom like O, N or F either of the same molecule or a different molecule. It is called hydrogen bonding.



Hydrogen fluoride is a polar covalent bond as fluorine is a strongly electronegative element. As a result fluorine acquires a partial negative charge and hydrogen acquires a partial positive charge.



The lone pair on the fluorine atom in another molecule of hydrogen fluoride electrostatically.

Condition for hydrogen bond:-

- (i) The molecule must contain a highly electronegative atom linked to hydrogen atom.
- (ii) The size of electronegative atom will be small.