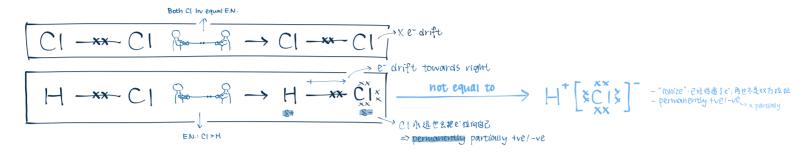
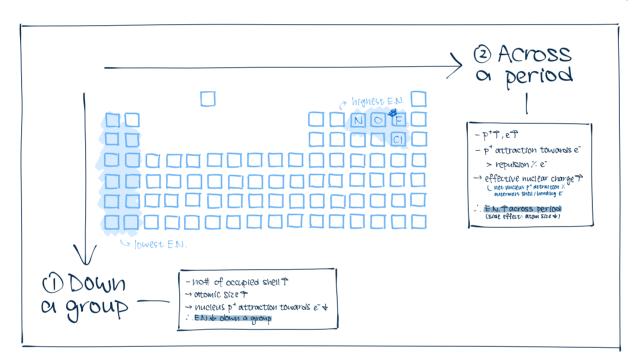
# E.N. and Dolar bonds

## 1 Electronegativity

- ability of an atom to withdraw bonding e towards itself in a covalent bond



- factors affecting E.N.
  - E.N.= ability of atom to attract bonding e-> atom里什4真正吸引e-?: proton
    - → E.N. = attraction strength of nucleus pt towards bonding e ( )



## 2 Polar bonds

### WHAT ARE THEY?

- uneven distribution of bonding e in covalent bond
- diff. attoms in a bond -> diff. E.N. -> polar
- 4 E.N. diff. of 2 atoms -> 1 bond polarity
- eg. Identify polar bonds + compare polarity of them for CF2Cl2
  - > C-F bond & C-CI bond - C & F atoms, C & CI atoms have different electronegativities
  - > polarity: C-F bond > C-CI bond
    diff. In E.N.: C,F > C,CI \_ E,N.: F>CI > C

### REPRESENTATION OF POLAR BONDS

