

Dative covalent bonds

1 What are they?

- type of covalent bond (sharing of e^-)
- difference w/ normal CBS

normal	两颗 atom 都会提供电子	两夫妇一起买房
dative	一颗 atom 提供电子, 两颗 atom 共用	老公付钱, 但两夫妇一起住

- 两颗 species (开心 + 不开心) 结合为新的 - 颗 (非常开心)

→ 开心 = 获得 duplet / octet 的电子排布

2 Formation

- There are <2> lone pair of e^- in <O> atom from < H_2O > molecule.
- There is <no> outermost shell e^- in < H^+ ion> → vacant site
- A lone pair of e^- from <O> atom is donated to the vacant site in < H^+ ion>.

3 Examples

