

OCR (B) Chemistry A-Level DF2 - Bonding and structure

Flashcards

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What is the difference between a π bond and a σ bond?







What is the difference between a π bond and a σ bond?

A σ bond is caused by the direct overlap of the p-orbitals of carbon atoms, π bonds are caused by the indirect 'leaning' overlap of p-orbitals.

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What is a double bond?







What is a double bond?

A double bond consists of one π bond and one σ bond.







How can you draw a molecule in 3D?







How can you draw a molecule in 3D?

- A solid line represents a bond in the plane of the paper.
- A solid wedge represents a bond coming out of the plane of the paper.
- A dashed/dotted wedge represents a bond going into the plane of the paper.

