

Copy of a printed diagram referenced as "Attractive and repulsive molecular orbitals and their formation from atomic orbitals"

Contributors

Fuller, Watson, 1935-

Publication/Creation

November 1963

Persistent URL

<https://wellcomecollection.org/works/yyvngumz>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution, Non-commercial license.

Non-commercial use includes private study, academic research, teaching, and other activities that are not primarily intended for, or directed towards, commercial advantage or private monetary compensation. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

<p>(a)</p>	$\Psi_g = \psi(A:1s) + \psi(B:1s)$ $\Psi_u = \psi(A:1s) - \psi(B:1s)$	$\sigma 1s$ $\sigma^* 1s$	
<p>(b)</p>	$\Psi_u = \psi(A:2p_z) + \psi(B:2p_z)$ $\Psi_g = \psi(A:2p_z) - \psi(B:2p_z)$	$\pi_z 2p$ $\pi_z^* 2p$	
Atomic orbitals	Molecular orbitals	Wave function	Symbol

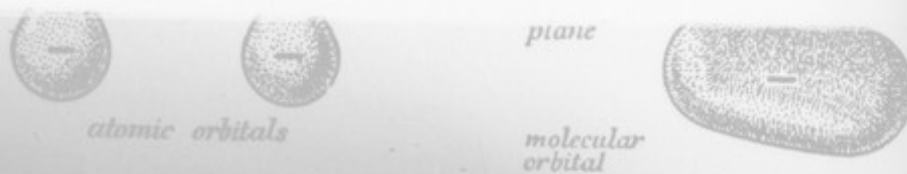


FIG. 4.9. Formation of a π -type bonding molecular orbital.