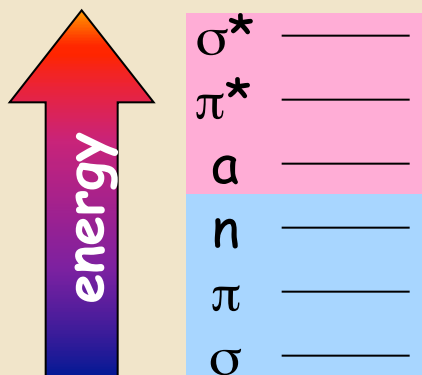


Summary & Resources

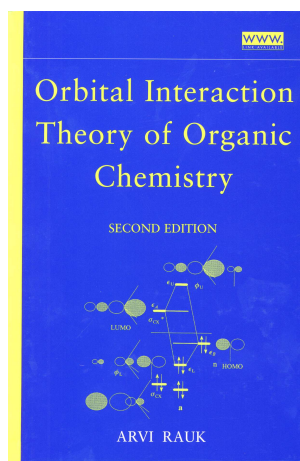
The usual order of energy levels

a is an empty, atom-centered AO; n is a nonbonded level; **blue** are **filled** levels; **pink** are **empty** levels.



This site summarizes how to construct MOs from AOs and it provides several examples (MO diagrams of diatomics, H₂O and benzene).

<http://undergrad-ed.chemistry.ohio-state.edu/mo/index.html>



Textbook: A. Rauk, *Orbital Interaction Theory of Organic Chemistry*, 2nd Ed., 2001, Wiley-Interscience, New York.

WebMO



WebMO is a free internet tool to calculate energies and display orbitals of atoms & molecules. Login using guest as the **username** and guest as the **password**.

http://webmo.ncsa.uiuc.edu/~webmo/cgi-bin/webmo_sDB/login.cgi