

Figure discussed in the videos:

Videos (5)-(11)

relative energy levels for valence molecular orbitals

<b>B<sub>2</sub>, C<sub>2</sub>, N<sub>2</sub></b>		<b>O<sub>2</sub>, F<sub>2</sub>, Ne<sub>2</sub></b>	
$\sigma_{2p}^*$	_____	$\sigma_{2p}^*$	_____
$\pi_{2p}^*$	_____	$\pi_{2p}^*$	_____
$\sigma_{2p}$	_____	$\pi_{2p}$	_____
$\pi_{2p}$	_____	$\sigma_{2p}$	_____
$\pi_{2p}^*$	_____	$\sigma_{2s}$	_____
$\sigma_{2s}$	_____	$\sigma_{2s}$	_____
$\sigma_{2s}$	_____	$\sigma_{2s}$	_____