

	p-orbitals of 0xygen -
1	
of Car	Character Table for 120 (Crv) point group
of Capolinas )	(Lap cortogal) (Lap prod)
C2V	E Ce Suz Gyz
Q.	E Ce ouz gz 1 1 1 2 2 2, y², z²
A2	1 1 -1 -1 Pz ry
Β,	E & °uz 'yz Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
B <sub>2</sub>	1 -1 -1 1 y, Fn y2
02	
	$a_1 \rightarrow p_2$
	6, → pu y y
	b <sub>2</sub> → þy
	H H H
Color	1) (parly (Supra) (and) (and)
Possible	Bonding between hydrogen & Oxygen:
	V Constitution of the cons
(1)	0(2s) + H(1s) + H(1s) - Non-bonding
	with the same of t
	Ly night
	energy difference so is of H & 23 of O either do not
	energy difference so Is of H & 2s of O either do not Overlap or have the possibility of partial overlapping.
	7017400
(in ph	(in phase)
	ese) (in phase) $\rightarrow$ $6, = 6g = 2a_1$ roger $\psi = \psi_0 + (\psi_1 + \psi_2)$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$
hyd	nogen 12 1/112
	1 To The Traduction
1,000	(oxygen) (hydroge) (hydroge) () Overlap
	, M



