Water Molecule Character Table:

C ₂ V:	E:	C ₂ :	σ _ν (x,z):	σ _ν (y,z):	Translation component:	Quadratic functions:	Order: 4
A ₁	1	1	1	1	z	x^2,y^2,z^2	3
A ₂	1	1	-1	-1	R _z	ху	1
B ₁	1	-1	1	-1	x, R _y	XZ	3
B ₂	1	-1	-1	1	y, R _x	yz	2
Γ	9	-1	3	1			