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Applications of Group theory| IR and Raman active modes|Vibrational translational rotational modes**Chemical Applications of Group Theory: Lecture - 5** Chemical Applications Of Group Theory

It's for chemists, specifically inorganic ones, who use group theory to analyze ligand chemistry and spectroscopic measurements. It is also useful for those who utilize computational chemistry programs like Gaussian and need to know the basics of orbital and molecular symmetry.

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Applications of Group Theory 16 Therefore, the following table can be obtained: C_{2v} E C₂ v(xz) v(yz) H₂O 2 A₁ + B₂ The two hydrogen 1s orbitals form two linear combinations, one with A₁ symmetry and the other with B₂ symmetry.

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UNIT 1- Symmetry & Group Theory in Chemistry

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