

### 13.3.2 Molecular Orbital Bonding for Second Row Elements (Video)

This project was preformed to supply **Libretext Authors** with videos on General Chemistry topics which can be used to enhance their projects. Also, these videos are meant to act as a learning resource for **all General Chemistry students**.

#### Video Topics

Second row elements: MO's created with p atomic orbitals are more complex. Each element has a 2s and 3 2p atomic orbitals in their valence. 6 p atomic orbitals combine to create 6 molecular orbitals. The p orbitals form both sigma & pi molecular orbitals. The energy level for sigma 2p & pi 2p are very similar and can change position depending on the Z values of the atoms involved.

#### Link to Video

**Molecular Orbital Bonding for Second Row Elements:** [https://youtu.be/A\\_5Xa3sK\\_YE](https://youtu.be/A_5Xa3sK_YE)



#### Attribution

- Prof. Steven Farmer ([Sonoma State University](#))

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