

13.1.4 Expanded Octet Hybridization (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

Expanded Octet Hybridization: Expanded octet shapes use d orbitals in their hybridization. $s + 3 p + 1 d \rightarrow 5 \text{ sp}^3\text{d}$ hybrid orbitals. These hybrid orbitals orientate to form the trigonal bipyramidal shape. $s + 3 p + 2 d \rightarrow 6 \text{ sp}^3\text{d}^2$ hybrid orbitals. These hybrid orbitals orientate to form the octahedral shape

Link to Video

Expanded Octet Hybridization: https://youtu.be/1WpXcKl_Io



Attribution

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

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