

## 10.5 Determining Magnetic Properties from Orbital Diagrams (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

Electron spins determine the magnetic properties of an atom. Diamagnetic atom or ion: All the electrons are paired and the individual magnetic effects cancel out. Is only true for atoms whose electron configuration contains completely filled subshells. Paramagnetic atom or ion: Has one or more unpaired electrons. The material is attracted to a magnetic field. Contains unfilled subshells.

### Link to Video

**Determining Magnetic Properties from Orbital Diagrams:** [https://youtu.be/lun\\_w5VKD8k](https://youtu.be/lun_w5VKD8k)



### Attribution

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

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