

## LECTURE 8 p ORBITALS

### I. p Orbitals

- A. Nodal planes
- B. Angular nodes
- C. Radial probability distributions

### II. Wavefunctions for Multielectron Atoms

- A. Electron configuration
- B. Spin and the Pauli exclusion principle
- C. One  $e^-$  wavefunctions for multielectron atoms