## **Orbitals**

1. How many orbitals are in a d subshell?
2. Sketch the three p orbitals.
3. Sketch the 1s, 2s, and 3s orbitals.
4. A g subshell has how many orbitals?
5. What is the maximum number of electrons that can occupy a 4 orbital?
6. What is the maximum number of electrons that can occupy a 50 subshell?
7. What is the total number of orbitals in an atom of Hg?