

## Chemistry 2720 Fall 2005 Quiz 7 Solution

1.  $m_s$  could be  $-\frac{3}{2}$ ,  $-\frac{1}{2}$ ,  $\frac{1}{2}$  or  $\frac{3}{2}$ , so there are four different values.
2. It would take twice as many electrons to fill each orbital, so there would be 16 main groups instead of 8.