Chemistry 115 - Name

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Quiz 6a (20 points) October 26, 2008

1. (3 points) How many electrons are allowed in a 5d orbital?
2. (3 points) How many electrons are allowed in a 4p sublevel?
3. (3 points) Write the complete electron configuration for an atom of chlorine.
4. (3 points) Write the complete electron configuration for an atom of cobalt (Co).
5. (3 points) Write the shorthand electron configuration for an atom of ruthenium (Ru).
6. (3 points) An atom of neon is isoelectronic with a Mg+2 ion. What is meant by this statement?
7. (2 points) Write an electron dot diagram for an atom of phosphorus.