Chemistry 115 - Name

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Quiz 6a (20 points) October 22, 2008

1. (3 points) How many electrons are allowed in a 3f orbital?
2. (3 points) How many electrons are allowed in a 3p sublevel?
3. (3 points) Write the complete electron configuration for an atom of silicon.
4. (3 points) Write the complete electron configuration for an atom of titanium (Ti).
5. (3 points) write the shorthand electron configuration for an atom of zirconium (Zr).
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 oxygen.