Chemistry 115 Name

Dr. Cary Willard

Quiz 6a (20 points) March 25, 2010

1. (2 points) How many electrons are there in an orbital?
2. (4 points) Write the complete electron configuration for an atom of potassium.
3. (4 points) Write the shorthand electron configuration for an atom of zirconium (Zr).
4. (4 points) Circle the larger atom in each of the following pairs
   1. C or Sn
   2. Al or S
5. (3 points) What is meant by the term isoelectronic?
6. (3 points) Define ionization energy.

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Quiz 6a (20 points) March 25, 2010

1. (2 points) How many electrons are there in an orbital?
2. (4 points) Write the complete electron configuration for an atom of magnesium.
3. (4 points) Write the shorthand electron configuration for an atom of technetium (Tc).
4. (4 points) Circle the larger atom in each of the following pairs
   1. Na or Cs
   2. K or Ga
5. (3 points) What is meant by the term isoelectronic?
6. (3 points) Define ionization energy.