Chemistry 115 Name

Dr. Cary Willard

Quiz 3a (20 points) February 22, 2011

1. (3 points) Write the correct IUPAC name for each of the following compounds.
   1. K2S
   2. SO3
   3. CoBr3
2. (3 points) Write the correct formula for each of the following compounds.
   1. Sodium nitride
   2. Nickel(II) chloride
   3. Dibromine octoxide
3. (2 points) What is the common name for an iron (III) ion?
4. (4 points) What is the difference between a molecule and a formula unit?
5. (2 points) How many orbitals are there in an f sublevel?
6. (2 points) How many electrons can be in a p orbital?
7. (4 points) What is the complete electron configuration for an atom of magnesium?

Chemistry 115 Name

Dr. Cary Willard

Quiz 3b (20 points) February 22, 2011

1. (3 points) Write the correct IUPAC name for each of the following compounds.
   1. Na3P
   2. CCl4
   3. CrS
2. (3 points) Write the correct formula for each of the following compounds.
   1. Potassium phosphide
   2. Copper(II) iodide
   3. Dibromine hexasulfide
3. (2 points) What is the common name for an iron (II) ion?
4. (4 points) What is the difference between a molecule and a formula unit?
5. (2 points) How many orbitals are there in an s sublevel?
6. (2 points) How many electrons can be in a d orbital?
7. (4 points) What is the complete electron configuration for an atom of aluminum?

Chemistry 115 Name

Dr. Cary Willard

Quiz 3c (20 points) February 24, 2011

1. (3 points) Write the correct IUPAC name for each of the following compounds.
   1. CaF2
   2. OCl2
   3. Ti3N2
2. (3 points) Write the correct formula for each of the following compounds.
   1. Beryllium oxide
   2. Mercury(II) bromide
   3. Carbon tetrachloride
3. (2 points) What is the common name for an copper (I) ion?
4. (2 points) What is the difference between an orbit and an orbital?
5. (2 points) How many electrons are there in a p sublevel?
6. (2 points) How many electrons can be in a d orbital?
7. (4 points) What is the complete electron configuration for an atom of silicon?

Chemistry 115 Name

Dr. Cary Willard

Quiz 3d (20 points) February 24, 2011

1. (3 points) Write the correct IUPAC name for each of the following compounds.
   1. Li3P
   2. PCl5
   3. PbS2
2. (3 points) Write the correct formula for each of the following compounds.
   1. Aluminum oxide
   2. Manganese(III) fluoride
   3. Nitrogen triiodide
3. (2 points) What is the common name for an copper (II) ion?
4. (2 points) What is the difference between an orbit and an orbital?
5. (2 points) How many electrons are there in a d sublevel?
6. (2 points) How many electrons can be in a f orbital?
7. (4 points) What is the complete electron configuration for an atom of sulfur?