Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3a

Dr. Cary Willard February 27, 2013

1. (4 points) Explain the difference between a molecule and a formula unit. (Include information regarding the types of compounds that form each and why they do.)
2. (3 points) Write the names of the following ions
   1. Na+
   2. Cr3+
   3. S2-
3. (3 points) Write the formulas for the following ions
   1. Zinc ion
   2. Fluoride ion
   3. Cupric ion
4. (6 points) Give the correct IUPAC names for the following compounds
   1. HI
   2. P2Cl5
   3. Ni2O3
5. (4 points) Write the correct formula for each of the following compounds
   1. Barium phosphide
   2. Titanium(IV) bromide

Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3b

Dr. Cary Willard February 27, 2013

1. (4 points) Explain the difference between a molecule and a formula unit. (Include information regarding the types of compounds that form each and why they do.)
2. (3 points) Write the names of the following ions
   1. Zn2+
   2. Ni2+
   3. P3-
3. (3 points) Write the formulas for the following ions
   1. Potassium ion
   2. Iodide ion
   3. Cuprous ion
4. (6 points) Give the correct IUPAC names for the following compounds
   1. HBr
   2. Si3F8
   3. Cr2O3
5. (4 points) Write the correct formula for each of the following compounds
   1. Calcium nitride
   2. Vanadium(V) bromide

Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3c

Dr. Cary Willard February 27, 2013

1. (4 points) Explain the difference between a molecule and a formula unit. (Include information regarding the types of compounds that form each and why they do.)
2. (3 points) Write the names of the following ions
   1. Ag+
   2. Pb4+
   3. C4-
3. (3 points) Write the formulas for the following ions
   1. Calcium ion
   2. Oxide ion
   3. Ferrous ion
4. (6 points) Give the correct IUPAC names for the following compounds
   1. HF
   2. S2O7
   3. Co2S3
5. (4 points) Write the correct formula for each of the following compounds
   1. Barium phosphide
   2. Manganese(VI) bromide

Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3d

Dr. Cary Willard February 27, 2013

1. (4 points) Explain the difference between a molecule and a formula unit. (Include information regarding the types of compounds that form each and why they do.)
2. (3 points) Write the names of the following ions
   1. Ca2+
   2. Ti3+
   3. Br-
3. (3 points) Write the formulas for the following ions
   1. Silver ion
   2. Nitride ion
   3. Ferric ion
4. (6 points) Give the correct IUPAC names for the following compounds
   1. HCl
   2. Cl2O6
   3. Co2P3
5. (4 points) Write the correct formula for each of the following compounds
   1. Aluminum oxide
   2. Vanadium(V) bromide