Chemistry 115 Name

Dr. Cary Willard

Quiz 8A (20 points) April 13, 2009

1. (3 points) Draw a lewis electron dot structure for phosphorous?
2. (4 points) Draw a lewis electron dot structure for carbon tetrabromide, CBr4.



1. (4 points) Draw a lewis electron dot structure for ethyne, C2H2.



1. (3 points) Why are only valence electrons represented in a lewis structure?
2. (3 points) How do ionization energies change as you move across the periodic table to the right?
3. (3 points) Explain the reason for the trend you described in question 5.

Chemistry 115 Name

Dr. Cary Willard

Quiz 8B (20 points) April 13, 2009

1. (3 points) Draw a lewis electron dot structure for sulfur?
2. (4 points) Draw a lewis electron dot structure for carbon tetrachloride, CCl4.



1. (4 points) Draw a lewis electron dot structure for ethyne, C2H2.



1. (3 points) Why are only valence electrons represented in a lewis structure?
2. (3 points) How do ionization energies change as you move across the periodic table to the right?
3. (3 points) Explain the reason for the trend you described in question 5.