Chem 1 Hour\_\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Dr. Wexler/Steinhorst  
Lewis Structures Worksheet 1 (15pts)  
Date:

1. Draw the abbreviated electron configuration, Bohr model and Lewis structure for sodium:

Electron configuration Bohr model Lewis structure

2. Explain why sodium will lose 1 electron when it ionizes.

3. Draw the abbreviated electron configuration, Bohr model and Lewis structure for ionized sodium (Na+1)

Electron configuration Bohr model Lewis structure

1. Draw the abbreviated electron configuration, Bohr model and Lewis structure for chlorine:

Electron configuration Bohr model Lewis structure

2. Explain why chlorine will gain 1 electron when it ionizes.

3. Draw the abbreviated electron configuration, Bohr model and Lewis structure for ionized chlorine (Cl-1)

Electron configuration Bohr model Lewis structure

4. Write a balanced equation for the reaction of sodium with chlorine: