

Name _____

Date _____

Science Period _____

Atoms & Bonding Review WS

1. Making Predictions: Predict the type of bond formed by each pair of atoms. Explain your answers.

a. Mg and Cl: _____

b. Na and Na: _____

c. I and I: _____

d. Li and I: _____

2. Making diagrams: Draw the Bohr diagram for a Period 2 atom from each of the following families of the periodic table: **Family 2 and 14.**



3. Identifying patterns: Use the periodic table to predict the ion that each atom will form when bonding.

a. sulfur (S) _____

d. astatine (At) _____

b. rubidium (Rb) _____

e. sodium (Na) _____

c. argon (Ar) _____

f. aluminum (Al) _____

4. Applying facts: a. Draw an electron-dot diagram for the following molecules: F_2 , NF_3



b. Explain why they are stable: _____

5. Making predictions: Use the periodic table to predict the formulas for the compounds formed by each of the following pairs of atoms. Show your work!

a. K and S: _____

c. Ba and S: _____

b. Li and F: _____

d. Mg and N: _____