

Atoms & Bonding Extra Practice

1. Predict the type of bond and explain your answers.

a. Na and Cl: _____

b. K and Ca: _____

c. O and O: _____

2. Draw the electron configuration for Period 3, Family 14 element.

3. Predict the ions that will form during bonding.

a. He _____ b. Ge _____ c. Mg _____

4. Draw an electron dot diagram for the following molecules & explain why they are stable: NaCl CF₄

5. Predict the formulas that will form, and show your work.

a. Mg and C: _____

b. Li and F: _____

c. Rb and Kr: _____