

Skill Practice 19

Ionic Bonding Practice

Name: _____

Date: _____

Hour: _____

1. Write the symbol and charges for the following ions:

Example: calcium = Ca^{2+}

A) phosphide = _____ B) magnesium = _____ C) rubidium = _____

D) fluoride = _____ E) aluminum = _____ F) sulfide = _____

2. Each of the following formulas is written incorrectly. Please rewrite them correctly.

Example: Ca_2Cl = CaCl_2

A) Ba_2S = _____ B) Rb_2N = _____ C) Li_2Cl = _____

D) Al_3N_3 = _____ E) Mg_3Br_2 = _____ F) O_3Al_2 = _____

3. Write the formulas for the compound formed by the combination of the following pairs of atoms.

Example: nitrogen and magnesium = Mg_3N_2

A) sodium and sulfur = _____ B) aluminum and chlorine = _____

C) phosphorus and calcium = _____ D) barium and oxygen = _____

4. For each of the formulas you wrote in question 3 above, give the names for the compounds.

Example: Mg_3N_2 = magnesium nitride

A) _____ B) _____

C) _____ D) _____

5. In the blanks above each column, write the charge of the ions formed by atoms in that column.

Note: group IA is done for you.

+1 _____
