

Making Ionic Compounds

Name: _____

1. What charges do the following ions have?

a. Si

b. OH

c. Li

d. Be

e. PO₄

f. Co

g. O

h. Br

i. Zn

j. NH₄

k. B

l. N

m. Ni

n. PO₄

o. I

p. HCO₃

q. As

r. Ca

2. What would be the formula if you put the following together?

a. Cl + Mg

b. B + NO₃

c. Na + P

d. F + Co

e. Na + Br

f. PO₄ + Sr

g. CO₃ + Li

h. Al + S

i. B + ClO₃

j. Au + O

k. Cl + K

l. OH + Ca

Writing Formulas

Write the formulas of the compounds produced from the listed ions.

	Cl^- Chloride	CO_3^{2-} Carbonate	OH^- Hydroxide	SO_4^{2-} Sulfate	PO_4^{3-} Phosphate	NO_3^- Nitrate
Na^+ Sodium						
NH_4^+ Ammonium						
K^+ Potassium						
Ca^{2+} Calcium						
Mg^{2+} Magnesium						
Zn^{2+} Zinc						
Fe^{3+} Iron						
Al^{3+} Aluminum						
Co^{3+} Cobalt						